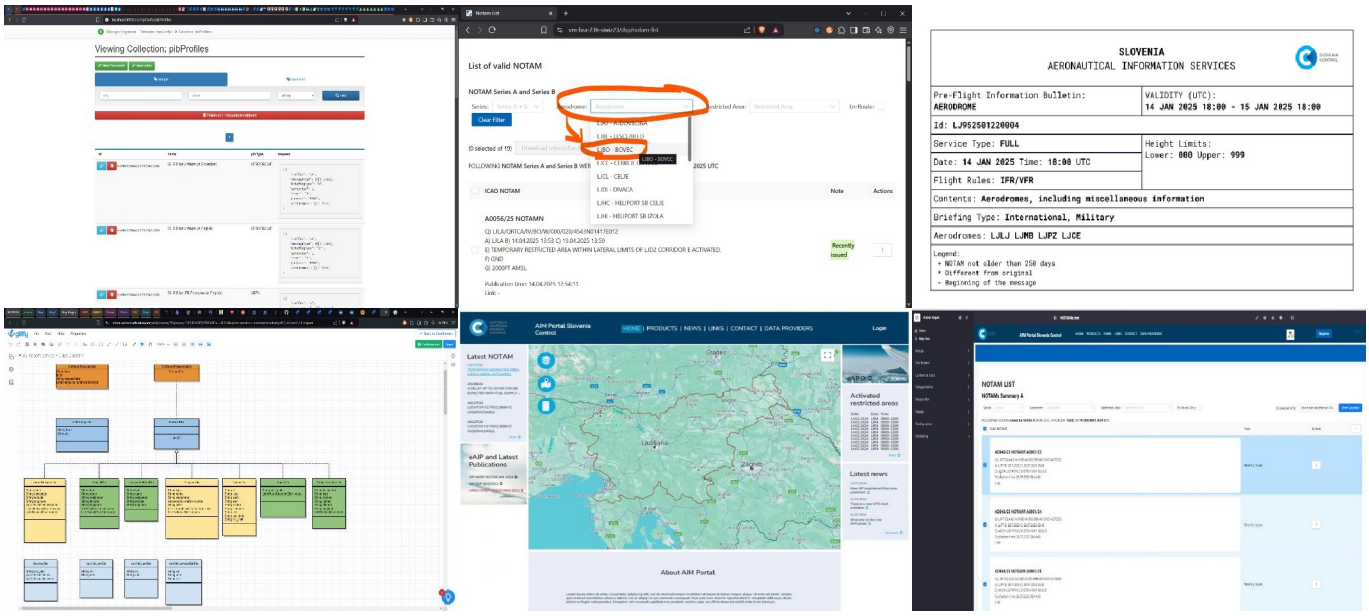
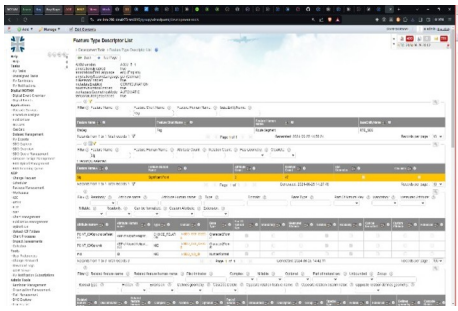
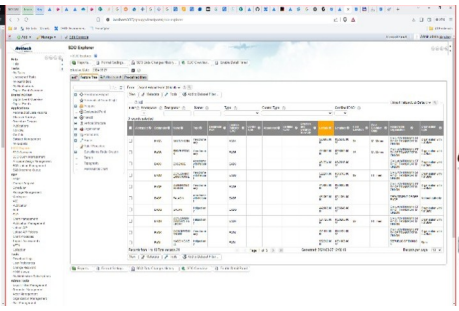
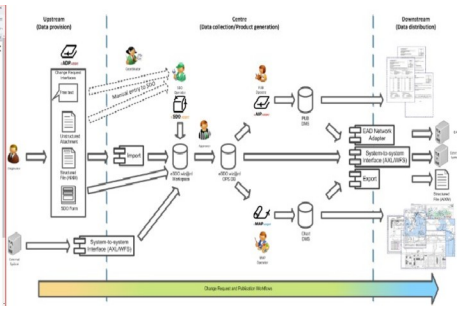
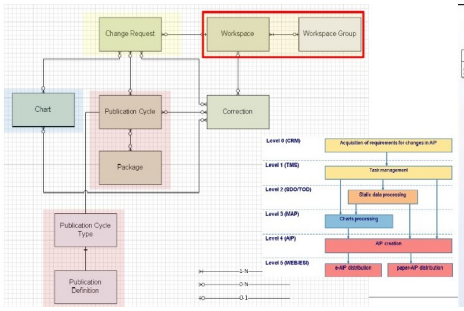
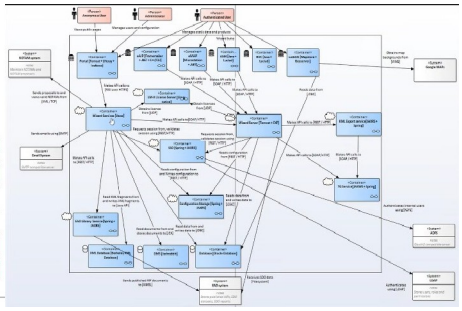
Overview of Projects and Use Cases Delivered Throughout the Company's History



The project title #1	:	**INDRA Avitech DSP (FrontEnd, Backend, Config)**
Target customers	:	**INDRA Avitech :: Slovenia Control See: https://aim.sloveniacontrol.si/aim/**
Date	:	03/2024-12/2025
Project description	:	The DSP (Downstream Portal) project is a public aviation platform designed to provide pilots with access to various reports and data. It displays ICAO NOTAMs and restricted areas on an interactive GIS map, allowing users to visualize important aviation information. The portal consolidates information from multiple service providers, including AIM, AIMSL, METAR, SNOWTAM, TAR, and PIB. It highlights designated points and zones, offering detailed information about their status and relevance. This system serves as a practical tool for pilots to stay informed about airspace restrictions and operational conditions.
Participation / Role	:	Joined a business-critical project that was already approximately three months behind schedule and took ownership of key development activities required to restore delivery momentum. Quickly onboarded into a new business domain through collaboration with long-tenured subject matter experts, analysis of existing codebases, and review of available technical and business documentation. Designed and implemented integrations between frontend, middleware, and backend systems for deployment on the client's SIWIZ platform. Developed a Quarkus-based DSP backend API, extended an existing React application with new screens and components, and configured CI/CD pipelines using SonarQube and Jenkins. Worked closely with the Product Owner to translate business requirements into deliverable solutions and accelerate project recovery. I actively participated in Backend, Frontend, and Architecture Chapters, contributing to cross-project discussions, knowledge sharing, technical decision-making, and the resolution of architectural and development challenges. These forums provided opportunities to align on best practices, address technical questions, and define strategic directions for solving issues across multiple projects.
Environment and OS	:	Linux, Windows, Mac
Programming languages	:	Java 11/17/21, JavaScript / TypeScript / React 18
Used tech-stack (SW & tools)	:	JDK 11/17/21, Quarkus 3.8.6, NodeJS/NPM, IzPack, WebPack, Vite, MS Teams, Maven, IDE Idea IntelliJ, Docker/Podman, JFrog Artifactory, Jenkins, SonarQube, OpenAPI 3.0.0, Mapstruct, SOAP/XML, Rest/JSON API, Tomcat, Confluence, JIRA, NoSQL MongoDB, SoapUI, Postman, Gliffy, Miro, OWASP
Result description	:	Successfully contributed to the recovery of a project that had been delayed by approximately three months prior to assignment. Within three months of joining the project, delivered a functional end-to-end prototype for customer review, enabling validation of key business and technical requirements. Achieved rapid domain proficiency despite having no prior experience in the subject area by leveraging knowledge transfer from senior experts, self-study of technical documentation, and analysis of the existing solution architecture. Subsequently delivered MVP within the revised project schedule (May 2024), completed stabilization and enhancement of Phase 1 functionality by September 2024, delivered Phase 2 development by September 2025, and supported production release readiness activities.





The project title #2	:	**INDRA Avitech AIM (ADP)**
Target customers	:	**INDRA Avitech :: Bundeswehr, NATS, Slovenia Control, DFS Deutsche Flugsicherung, LPS SR**
Date	:	03/2024-12/2025
Project description	:	AIM is a digital Aeronautical Information Management solution providing accurate and up-to-date flight data, including AIP, NOTAMs, maps, and procedures. It improves flight safety, reduces manual errors, and ensures efficient coordination across stakeholders. The platform streamlines information delivery and supports reliable flight planning and air traffic operations.
Participation / Role	:	**Feature Development & Optimization:** Proposed, designed, and implemented high-impact feature enhancements, while optimizing the codebase for superior performance and long-term maintainability. Developed the Geometry Form from scratch, enabling text-based geometry imports via the system editor. **Database & Local Environment:** Setup, configured, and maintained the local development environment running on Oracle 19c. **Integration & Code Analysis:** Analyzed SOAP web services to trace, reverse-engineer, and document the behavior and business logic of underlying database stored procedures. **L3 Support & Bug Fixing:** Provided high-level L3 support to resolve complex production issues. Collaborated closely with the Customer Delivery (CD) team to debug, isolate, and deliver stable bug fixes.
Environment and OS	:	Linux, Windows, Mac
Programming languages	:	Java 8, PL/SQL
Used tech-stack (SW & tools)	:	JDK 8 + Spring framework 4.1/5.2 + Hibernate 3.6.6, Apache Kie 7.24 (Drools, jBPM), IzPack, Gradle, Maven, IDE Eclipse, IDE Idea IntelliJ,, SOAP/XML, REST API/JSON, Jenkins, Tomcat 8, SonarQube, Confluence, JIRA, MySQL, Oracle 19c DB, SQL Developer, DBeaver, JBoss WildFly 8.2, Liferay 6, SoapUI, Postman, OWASP, MS Teams
Result description	:	Maintenance and support of enterprise systems, resolution of customer-reported issues, communication with Product Owners, analysis of business requirements, proposal of technical solutions, coordination of system enhancements with the Customer Delivery Team, and preparation of installation packages for software releases.

The project title #3	:	**O3 Product Ordering Management**
Target customers	:	**Deutsche Telekom**
Date	:	03/2024-12/2025
Project description	:	O3 is an order-orchestration platform coordinating product orders across multiple external systems such as CRM, sales, fulfillment, and KYC. It streamlines the end-to-end process for internet and optical-line service packages, including provisioning and related customer equipment. The solution ensures consistent order flows, reduces manual interventions, and improves delivery accuracy across the service ecosystem.
Participation / Role	:	Upon joining the company, I was given the opportunity to choose between two projects and intentionally selected the more challenging initiative due to its technical complexity and improvement potential. Beyond my responsibilities as a Senior Developer, I worked closely with stakeholders, Product Owners, Business Analysts, the Lead Architect, and DevOps engineers to understand business objectives and align technical solutions with long-term strategic goals. In addition to software development, I contributed in a Solution Architect capacity by designing technical solutions, evaluating architectural options, and translating business requirements into actionable development tasks. I prepared and refined Jira epics, stories, and technical tasks to support efficient backlog management and implementation by the development team. I led initiatives to improve code quality, maintainability, and system performance by promoting clean-code practices, SOLID principles, and sound object-oriented design. I drove refactoring efforts to reduce technical debt, simplify complex implementations, improve separation of concerns, and establish consistent architectural patterns across the codebase. I actively identified opportunities to improve application performance and scalability while optimizing operational and cloud-related costs. I collaborated with architecture and infrastructure teams to evaluate technical trade-offs and recommend sustainable long-term solutions. I also supported team growth by participating in the recruitment process, conducting technical interviews, and assessing candidates' engineering capabilities and architectural understanding. To strengthen engineering standards and knowledge sharing, I organized and facilitated regular developer sessions focused on technical topics, architecture discussions, coding standards, best practices, code formatting conventions, and alignment on development principles across the team. These sessions helped establish a common engineering culture and improve consistency in solution delivery.
Environment and OS	:	Linux, Windows, Mac
Programming languages	:	Java 11/17/21, JavaScript / TypeScript / React 18/19
Used tech-stack (SW & tools)	:	Camunda 7/8, JDK 11/17/21, Spring Boot 2/3/4, Spring Security 5/6, NoSQL MongoDB, PostgreSQL, React 18/19, WebPack/Vite, Gradle, Maven, IDE MS VS Code , IDE Idea IntelliJ, REST API/JSON, KeyCloak SSO, MS EntraId SSO, SonarQube, Confluence/Wiki, JIRA, Cisco Webex, MS Teams, DBeaver
Result description	:	O3 Product Ordering Management with L3 PROD support

The project title #20	:	**Selfcare**
Target customers	:	**HUTCHISON DREI**
Date	:	07/2021-12/2023
Project description	:	Mobile operator CRM
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows
Programming languages	:	Java, PL/SQL, Javascript, Vue.js
Used tech-stack (SW & tools)	:	Java, Oracle 11g DB, Gradle, Drools, IntelliJ/STS/Eclipse, Spring, Apache Structs, JSP, Servlets, Git, Jfrog artifactory, Bamboo, Bitbucket, Jira, Confluence, FirstSpirit CMS, MS Teams
Result description	:	Maintain CRM application - new features, remove technical debt, refactor, clean up and improve the code.

The project title #21	:	**Webshop**
Target customers	:	**HUTCHISON DREI**
Date	:	07/2021-07/2023
Project description	:	Mobile operator webshop
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows
Programming languages	:	Java, PL/SQL, Javascript, Vue.js
Used tech-stack (SW & tools)	:	Java, Oracle 11g DB, Gradle, Drools, IntelliJ/STS/Eclipse, Spring, Apache Structs, JSP, Servlets, Git, Jfrog artifactory, Bamboo, Bitbucket, Jira, Confluence, FirstSpirit CMS, MS Teams
Result description	:	Maintain webshop application - new features, remove technical debt, refactor, clean up and improve the code.

The project title #19	:	**Warranty Checker API**
Target customers	:	**HUTCHISON DREI**
Date	:	06/2021-08/2023
Project description	:	REST API for checking warranty of sold refurbished devices
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows
Programming languages	:	Java, SQL, Javascript, React
Used tech-stack (SW & tools)	:	Java, Oracle 11g DB, Gradle, IntelliJ, Spring Boot, Git, Jfrog artifactory, Bamboo, Bitbucket, Jira, Confluence, MS Teams
Result description	:	REST API services used by part Selfcare web application, implemented CMS, JavaScript and Java application usage of that API and create frontend webpage for customer.

The project title #18	:	**Campaign service API**
Target customers	:	**HUTCHISON DREI**
Date	:	04/2021-12/2023
Project description	:	REST API for Behaviour marketing Landing pages
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows
Programming languages	:	Java, SQL, Javascript, Vue.js
Used tech-stack (SW & tools)	:	Java, Oracle 11g DB, Gradle, IntelliJ, Spring Boot, Git, Jfrog artifactory, Bamboo, Bitbucket, Jira, Confluence, MS Teams
Result description	:	REST API - services for Selfcare Rest services and CIFIT SOAP services and Portal Web Services

The project title #5	:	**Covid Help**
Target customers	:	**HZZS / Voluntering people**
Date	:	01/2021-05/2021
Project description	:	Web application that connects doctors and covid patients. Patients with covid could register there, describe their conditions, temperatures and other problems. The doctors were able to look at the course of their illness, their medical records and respond remotely and help them set up their treatment.
Participation / Role	:	I handled this project completely from beginning till the first production release. I defined technology stack, setup servers...
Environment and OS	:	Linux
Programming languages	:	Java 11, JavaScript / TypeScript / React 16
Used tech-stack (SW & tools)	:	JDK11, NoSQL MongoDB, JavaScript / TypeScript / React 16, Slack, Gradle, Idea IntelliJ, Docker
Result description	:	Web application that connects doctors and patients remotely.

The project title #4	:	**IBM Services Solutioning & Pricing (ISSP)**
Target customers	:	**IBM -> Kyndryl**
Date	:	05/2019-04/2024
Project description	:	ISSP (IBM Services Solutioning & Pricing) is a Pricing tool that replaces the former SDM (Solution Definition Manager) Pricing application. It provides tool for costing, pricing calculations, reporting and bids/quotes management based on current master rate tables.
Participation / Role	:	As a Lead Senior Developer, I took ownership of complex technical stories and played a key role in solution design, implementation, and delivery. My responsibilities included pair programming, BDD-driven development, mentoring and supporting junior developers, conducting code reviews, improving the architecture of Spring Boot applications, and resolving critical defects. I worked closely with Business Analysts and Product Owners, acting as a technical counterpart during requirements analysis and solution design discussions. I helped translate business needs into technical solutions, decomposed epics and user stories into actionable development tasks, and prepared Jira issues to support efficient delivery by the development team. In addition, I actively contributed to developer knowledge-sharing sessions, where team members exchanged ideas, discussed architectural approaches, shared best practices, and aligned on coding standards, development guidelines, and engineering principles to ensure consistency and maintainability across the codebase.
Environment and OS	:	Linux, Windows, Mac
Programming languages	:	Java 8/11/17, JavaScript / React 17/18
Used tech-stack (SW & tools)	:	Eclipse RCP, JDK 8/11/17, React 18/19, Spring Boot 3 Gradle, Maven, SQL DB2, NoSQL MongoDB, Azure Cosmos DB, RabbitMQ, Redis Cache, IDE Eclipse, IDE Idea IntelliJ, Mural, Docker, Cloud Environment: Rancher(Kubernetes)/Cirrus(OpenShift)/MS Azure/AWS, Okta SSO, Nexus/JFrog Artifactory, BDD Cucumber/Gherkin, Load/Performance tests BlazeMeter/JMeter/Locust Webex, Slack, MS Teams
Result description	:	Refactoring and optimizing of pricing/costing application based on Eclipse RCP/E4 with L3 PROD support.

The project title #6	:	**ECM CMIS**
Target customers	:	**UNIQA Insurance Group AG**
Date	:	08/2018-05/2019
Project description	:	Development of ECM CMIS API implementing 38 CMIS operations as Rest WS at webMethods Integration ESB Server against IBM FileNet8.
Participation / Role	:	As senior developer I was asked to cooperate with another senior developer from SoftwareAG and we work on greenfield project lightweight REST API as a part of webMethods Integration API platform that allows switch to any ECM (FileNet8, Former ECM, Alfresco) without broke the origin API exposed to other external UNIQA systems like webapps, internal IS. Pair programming.
Environment and OS	:	Linux, Windows
Programming languages	:	Java 8
Used tech-stack (SW & tools)	:	JDK 8, Jira, Confluence, Maven, Fidler, Isomnia, SoapUI, Postman, Idea IntelliJ, Software AG webMethods Integration ESB Server, Remote Desktop
Result description	:	ECM CMIS API based on Software AG webMethods IS that supports 38 CMIS browser binding operations.

The project title #7	:	**ČSOB UIP**
Target customers	:	**ANASOFT APR s.r.o. :: ČSOB bank**
Date	:	06/2018-08/2018
Project description	:	Development of information system for ČSOB bank where fontend running on tablet against backend Java aplication server (Tomcat/JBoss) rest webservices.
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows, Android
Programming languages	:	Java, Javascript, HTML, Rest WS, Android, Bootstrap
Used tech-stack (SW & tools)	:	JetBrains Webstorm 2018, MySQL, Eclipse, Android Studio, GIT, Bamboo, SoapUI, JQuery, CSS, Java, Gradle, JIRA, Tomcat, Jboss WidlFly
Result description	:	Information system online/offline that replace paper form bulletins about products and services provided by ČSOB bank with connection to banking IS and feedback to CRM system about where the anonymous or logged client went and what pages has been browsed to make a further offer...

The project title #8	:	**SIGNATUS Android Web Wizard for Volkswagen Financial Services**
Target customers	:	**ANASOFT APR s.r.o. :: VOLKSWAGEN Finančné služby Slovensko s.r.o.**
Date	:	05/2018-06/2018
Project description	:	Development of mobile information system for a leasing company.
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows, Android
Programming languages	:	Java, Javascript, HTML, Rest WS, Android, Bootstrap
Used tech-stack (SW & tools)	:	JetBrains Webstorm 2018, MySQL, Eclipse, Android Studio, GIT, Bamboo, SoapUI, JQuery, CSS, Java, Gradle, JIRA, Tomcat
Result description	:	Information system for maintanance of leasing agreements at tablets online/offline.

The project title #9	:	**SIGNATUS Android Web Wizard for Tatraleasing**
Target customers	:	**ANASOFT APR s.r.o. :: Tatra-Leasing, s.r.o.**
Date	:	05/2018-06/2018
Project description	:	Development of mobile information system for a leasing company.
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows, Android
Programming languages	:	Java, Javascript, HTML, Rest WS, Android, Bootstrap
Used tech-stack (SW & tools)	:	JetBrains Webstorm 2018, MySQL, Eclipse, Android Studio, GIT, Bamboo, SoapUI, JQuery, CSS, Java, Gradle, JIRA, Tomcat
Result description	:	Information system for maintanance of leasing agreements at tablets online/offline.

The project title #10	:	**ESMO PUBLIC Web Liferay portal**
Target customers	:	**Ministerstvo spravodlivosti SR See: https://esmo.gov.sk/web/esmo/domov TriloBit Systems, s.r.o., SEVITECH a.s., ICZ a.s., DIGMIA s.r.o., DITEC**
Date	:	01/2018-12/2018
Project description	:	Development, Maintanance and upgrade of portal https://esmo.gov.sk (Electronic Personal Monitoring System).
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows
Programming languages	:	Java, Javascript, PL/SQL, HTML, XML (WSDL, XSD, XSL, XPath, SOAP), Liferay CMS, Spring, JSP, JSTL, Portlets/Servlets, Orbeon XForms, JUnit, Mockito
Used tech-stack (SW & tools)	:	MySQL, Oracle DB, H2 DB, Eclipse, GIT, Idea IntelliJ, Teamcity, Maven, Gradle, Ant, Tomcat, JIRA, GitHub, AWS
Result description	:	L3 support, bugfixing and new features and SSO integration development for app running 3 years in PROD

The project title #11	:	**ESB/BPM Core banking system**
Target customers	:	**VÚB, a.s.**
Date	:	01/2017-02/2018
Project description	:	Development, Maintanance and upgrade of core banking system based on IBM SOA/ESB/BPM technologies.
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows
Programming languages	:	Java, Javascript, SQL, PL/SQL, HTML, XML (WSDL, XSD, XSL, XPath, SOAP)
Used tech-stack (SW & tools)	:	IBM Integration Designer 8.5.5,IBM Websphere Application Server (WAS), Oracle 10g DB, IBM DB2, IBM Process Center, IBM Business Process Manager 8.5.5, MySQL, Eclipse, GIT, TeamCity, SoapUI, SoapUI Pro, EEA, IBM Java JDK 1.6, IBM MQ JMS/ESB
Result description	:	ESB WS, JMS Gateway, BPM SW - supports banking core activities and services

The project title #12	:	**Mambu Gateway MicroServices**
Target customers	:	**Ferratum group – multicountry IS**
Date	:	11/2016-12/2016
Project description	:	Refactor JEE Monolith application into the Microservices that interacts and send data flows between several applications.
Participation / Role	:	Refactor JEE Monolith application into the Microservices that interacts and send data flows between several applications. Microservices that send/receive data between Mambu, DocStore and Segway and other connected information systems. IS for country managers and finance clerks to provides financial overviews on bank accounting, ledger data. WebUI interfaces for loan disbursement processing. Semiautomated payment system for disbursing loans registered in several different external information systems. Reporting tool for EOD summary transactions per country, company and product. Provides exports to bank bookkeeping and DWH systems.
Environment and OS	:	Linux, Windows
Programming languages	:	Java, SQL, Javascript, JQuery, HTML, JSON
Used tech-stack (SW & tools)	:	Jboss WildFly AS, MySQL, IntelliJ IDEA, MySQL WorkBench, Maven, GIT, SourceTree, SoapUI, Java, Mambu, Apache Kafka
Result description	:	Microservices that send/receive data between Mambu, Docstore and Segway and other connected information systems.

The project title #13	:	**Finance Reporting Platform**
Target customers	:	**Ferratum group – multicountry IS (20 countries)**
Date	:	08/2016-12/2016
Project description	:	MIS
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows
Programming languages	:	Java, SQL, Javascript, JQuery, HTML, JSON
Used tech-stack (SW & tools)	:	Jboss EAP 6.4 AS, MySQL Server, Eclipse Mars,MySQL WorkBench, Maven, GIT, SoapUI, JAVA (JEE6, PrimeFaces 5.2, Hibernate, RESTEasy) next project version Vaadin 7
Result description	:	Information system for country managers and finance clerks to provides financial overviews on bank accounting, ledger data.

The project title #14	:	**SAPA – Semi-Automated Payment Allocations**
Target customers	:	**Ferratum group – multicountry IS (20 countries)**
Date	:	06/2016-11/2016
Project description	:	WebUI interfaces for loan disbursement processing.
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows
Programming languages	:	Java, SQL, Javascript, JQuery, HTML, JSON
Used tech-stack (SW & tools)	:	Jboss EAP 6.4 AS, MySQL Server, Eclipse Mars, MySQL WorkBench, Maven, GIT, SoapUI, JAVA (JEE6, PrimeFaces 5.2, Hibernate, RESTEasy) next project version Vaadin 7
Result description	:	Semi automated payment system for disbursing loans holded in different external information systems.

The project title #15	:	**Daily Reporting Tool**
Target customers	:	**Ferratum group – multicountry IS (20 countries)**
Date	:	04/2016-11/2016
Project description	:	Reporting tool for closing days in main ledger for all the external systems.
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows
Programming languages	:	Java, SQL, Javascript, JQuery, HTML, JSON
Used tech-stack (SW & tools)	:	Jboss EAP 6.4 AS, MySQL Server, Eclipse Mars,MySQL WorkBench, Maven, GIT, SoapUI, JAVA (JEE6, PrimeFaces 5.2, Hibernate, RESTEasy)
Result description	:	Reports daily closure data summary transactions per country, company and product. Provides exports to the bank bookkeeping and datawarehouse systems.

The project title #16	:	**Mambu Gateway**
Target customers	:	**Ferratum group – multicountry IS (20 countries)**
Date	:	01/2016-12/2016
Project description	:	REST webservices interacts between DocStore and Mambu IS and other IS.
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows
Programming languages	:	Java, SQL, Javascript, JQuery, HTML, JSON
Used tech-stack (SW & tools)	:	Jboss EAP 6.4 AS, MySQL Server, Eclipse Mars, MySQL WorkBench, Maven, GIT, SoapUI, JAVA (JEE6, Hibernate, RESTEasy), Mambu
Result description	:	Synchronous, Asynchronous REST services that send/receive data between Mambu, Docstore and Segway and other connected information systems.

The project title #17	:	**DocStore**
Target customers	:	**Finland, United Kingdom, Romania (multicountry)**
Date	:	01/2016-12/2016
Project description	:	Document generator from templates.
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows
Programming languages	:	Java, SQL, Javascript, JQuery, HTML, JSON
Used tech-stack (SW & tools)	:	Jboss EAP 6.4 AS, MySQL Server, MongoDB, Eclipse Mars,MySQL WorkBench, Maven, GIT, SoapUI, JAVA (JEE6, PrimeFaces, Hibernate, RESTEasy, Jasper Reports 6)
Result description	:	Storage system for document templates. Generates documents HTML, DOCX, PDF, TXT via Jasper report engine by usage JRXML template and JSON data.

The project title #22	:	**CREDILOGIC**
Target customers	:	**ASSECO CE a.s., STATLOGIC Zrt. :: EUB Kazachstan, UNICREDIT Group, UC FIN Romania**
Date	:	11/2013-07/2014
Project description	:	Loan account management system and collection.
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows
Programming languages	:	Oracle PL/SQL, Delphi, JAVA, Javascript, HTML
Used tech-stack (SW & tools)	:	Oracle 11g DB, STS, Eclipse, Toad for Oracle, SQL Developer, Developer, Delphi XE, SVN
Result description	:	Full lifecycle of consumer finance front office and backoffice.

The project title #23	:	**ARBES JAVA I-banking**
Target customers	:	**ARBES Technologies s.r.o. :: J&T Bank**
Date	:	04/2013-08/2013
Project description	:	Front-office and Bank-office banking information system, i-banking
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows
Programming languages	:	JAVA, Oracle PL/SQL, JavaScript, AngularJS Framework
Used tech-stack (SW & tools)	:	Oracle 10g DB, Netbeans, Eclipse, Toad for Oracle, SVN
Result description	:	Full banking information system written in JAVA and Oracle DB.

The project title #24	:	**ARBES PHP OBS**
Target customers	:	**ARBES Technologies s.r.o.:: Homecredit Kazachstan, Artesa Capital a.s., WPB Capital, Air Bank**
Date	:	03/2013-08/2013
Project description	:	Front-office and Bank-office banking information system, i-banking
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Windows
Programming languages	:	Oracle PL/SQL, PHP, Smarty PHP framework, JavaScript, XML, HTML
Used tech-stack (SW & tools)	:	Oracle 10g DB, Netbeans, Eclipse, Toad for Oracle, SVN
Result description	:	Full banking information system written in PHP and Oracle DB.

The project title #25	:	**PUBLISHING OF CONTRACTS, ORDERS AND INVOICES**
Target customers	:	**Slovakia - Government offices**
Date	:	02/2011-now
Project description	:	Solution for publishing of contracts, orders and invoices on the website.
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Apache webserver, PHP
Programming languages	:	PHP, HTML, JavaScript, JQuery
Used tech-stack (SW & tools)	:	Notepad++, Netbeans IDE, Toad for MySQL, SVN/Git, JetBrains PhpStorm
Result description	:	Solution for publishing of contracts, orders and invoices on the website: recording of companies (business partners), (contact) persons, contracts, orders, invoices, public procurement - tender challenges, on the basis of data and settings there is generated website widgets where are published idividual contracts, orders, invoices received from suppliers and public tenders.

The project title #28	:	**SOLID 2 Oracle E-Business Suite 12**
Target customers	:	**U. S. Steel Košice, s.r.o.**
Date	:	06/2010-10/2010
Project description	:	Add new functionality to Oracle E-Business Suite 12 according to formerly used information system SOLID (processes and forms).
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux
Programming languages	:	Oracle PL/SQL, JAVA
Used tech-stack (SW & tools)	:	Oracle E-Business Suite 12, Oracle AS, Oracle Forms Builder 10g, Toad for Oracle, Eclipse, JDeveloper
Result description	:	Shipping Transactions, Delivery dispositions - replaced orignal forms and funcionality with new ones according to FDD/TDD created new Master-Detail1-Detail2 forms, browse forms, filter forms etc.

The project title #26	:	**CITY/TOWN/VILLAGE WEBSITE**
Target customers	:	**Cities/towns/villages: Hermanovce pri Prešove, Brusnica pri Stropkove etc.**
Date	:	04/2010-now
Project description	:	Webportal/website CMS for the city/town/village office.
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Apache webserver, PHP, MySQL
Programming languages	:	PHP, HTML, JavaScript, JQuery
Used tech-stack (SW & tools)	:	Notepad++, Netbeans IDE, Toad for MySQL, SVN
Result description	:	Webportal/website for the city/town/village office where clerks can modify website content.

The project title #27	:	**WEB PORTAL FOR SPORT CLUB**
Target customers	:	**Sport club: OZ SMEČ**
Date	:	09/2009-now
Project description	:	Webportal CMS for sport club.
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	Linux, Apache webserver, PHP, MySQL
Programming languages	:	Java, Vaadin 5, JavaScript
Used tech-stack (SW & tools)	:	Notepad++, Netbeans IDE, Toad for MySQL, Toad Data Modeler, SVN
Result description	:	webportal for sport club - administration of leagues, matches, fotogalery, videogalery, discussions and articles administration back-end system where administrators maintain database of people-players, juries, clubs, leagues, tournaments, matches and results on the basis of input data there is generated output data, score tables, statistics, articles, comments etc. - shortly front-end website content.

The project title #30	:	**F2000 – EURO CONVERSION**
Target customers	:	**U. S. Steel Košice, s.r.o. , U. S. Steel Serbia, d.o.o.**
Date	:	06/2008-12/2008
Project description	:	ERP F2000 Ready for Euroconversion in 01/2009
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	MS Windows
Programming languages	:	Oracle PL/SQL
Used tech-stack (SW & tools)	:	Oracle Server 9i, Oracle Designer 6i, Oracle Forms Builder 6i, Toad for Oracle
Result description	:	Ready-made scripts, forms, programs, reports and testing scripts for module PRODUCTION&MAINTANANCE as part of complete RICEF system prepared to do the conversion of the whole complex U.S.Steel information system from SKK currency to EURO currency and transform to dual price information system.

The project title	:	**F2000 - VULKMONT EXPEDITION**
Target customers	:	**U. S. Steel Košice, s.r.o. , Vulkmont, a.s. Košice**
Date	:	05/2008-12/2008
Project description	:	Taken a turn of dispatch processes of VULKMONT company to ERP F2000.
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	MS Windows
Programming languages	:	Oracle PL/SQL
Used tech-stack (SW & tools)	:	Oracle Server 9i, Oracle Designer 6i, Oracle Forms Builder 6i, Toad for Oracle
Result description	:	Taken a turn of dispatch processes of VULKMONT a.s. company to design and realisation extension of ERP Financial 2000 with usage of connectors to weight server, which gather datas from electronical weighting. Invoicing costs reductions within a design of new way form of bulk invoicing.

The project title #31	:	**OEBS ERP – RICEF**
Target customers	:	**U. S. Steel Košice, s.r.o. , U. S. Steel Serbia, d.o.o.**
Date	:	09/2007-05/2008
Project description	:	Reports, Interfaces, Conversions, Enhancements and Forms
Participation / Role	:	Analysis and development on the basis of requirements and on the basis of Functional Design Documents and Technical Design Documents.
Environment and OS	:	MS Windows
Programming languages	:	Oracle PL/SQL, JAVA
Used tech-stack (SW & tools)	:	Oracle Server 9i, Oracle Designer 6i, Oracle Forms Builder 6i, Toad for Oracle, JDeveloper, Eclipse
Result description	:	SW package that help to migrate data from former ERP system - F2000 to the new ERP system Oracle E-Business Suite with a feedback.

The project title #32	:	**ERP Financial 2000 – add-ons and hotline support**
Target customers	:	**U. S. Steel Košice, s.r.o. , U. S. Steel Serbia, d.o.o.**
Date	:	08/2007-12/2008
Project description	:	ERP system - modules: Inventory, Procure to Payment
Participation / Role	:	Analysis, development on the basis of requirements and hotlines.
Environment and OS	:	MS Windows
Programming languages	:	Oracle PL/SQL
Used tech-stack (SW & tools)	:	Oracle Server 9i, Oracle Designer 6i, Oracle Forms Builder 6i, Toad for Oracle 8.5
Result description	:	SW life cycle and hotline support for a part of complex ERP system.

The project title #29	:	**ERP IBIS V2**
Target customers	:	**CHIRASYS, spol. s r.o.: VSS, a.s. Košice , MECOM, TAURIS, Spiš Market, etc.**
Date	:	08/2005-11/2009
Project description	:	ERP system - complete remake TTY to WIN32 GUI client
Participation / Role	:	Analysis and development of GUI client on the basis of requirements and hotline service, modifications of TTY client.
Environment and OS	:	Windows, Linux
Programming languages	:	Progress 4GL, Smart Objects ADM2, JAVA
Used tech-stack (SW & tools)	:	Progress 9.1D, Progress OpenEdge 10.1B, Eclipse
Result description	:	Complex GUI/TTY ERP within modules like: Bookkeeping/Accounting, Financial, Sale, Purchase, Property, Inventory, Production, Wages and HR, MDDA, Administration.

The project title #33	:	**OSBD - STATEMENT OF COSTS**
Target customers	:	**OSBD Trebišov, Slovakia**
Date	:	03/2005-11/2006
Project description	:	Billing system
Participation / Role	:	Statement of costs for flats in maintanance of Housing association.
Environment and OS	:	Windows/Unix
Programming languages	:	Microsoft FoxPro
Used tech-stack (SW & tools)	:	MS Visual FoxPro, MS Office, PDF995
Result description	:	Statement of costs for services related to using and maintenance of blocks of flats - bulk data processing for districts: Trebišov, Sečovce, Michaľany, Kráľovský Chlmec, Borša, Veľký Horeš, Somotor, Streda nad Bodrogom, Čierna nad Tisou, Veľké Kapušany and Hraň.

The project title #34	:	**APV MARK IV – REPLICATION**
Target customers	:	**DELTA E.S. Košice (nowdays NESS Slovensko, a.s.):** **Slovenské elektrárne, a. s. (nowdays member of ENEL group)**
Date	:	08/2004-02/2005
Project description	:	Asynchronous data replication from central server to local servers.
Participation / Role	:	Analysis and development on the basis of requirements of analysts of both information systems.
Environment and OS	:	MS Windows/Unix
Programming languages	:	Oracle PL/SQL
Used tech-stack (SW & tools)	:	Oracle Server 8i, Oracle Designer 6i, Oracle Forms Builder 6i, SQL Navigator 4.1, Putty, Terminal Client Server, MS Visual Source Safe 6.0
Result description	:	Solution of asynchronous data replication from central RAS server placed in the headquaters to the servers located in the plant factories with logging to transmissions tables.

The project title #35	:	**APV MARK IV – IS SOVA Connect**
Target customers	:	**DELTA E.S. Košice (nowdays NESS Slovensko, a.s.)** **VIHORLAT s.r.o. Snina, Slovakia**
Date	:	03/2004-06/2004 (part I), 08/2004-09/2004 (part II)
Project description	:	Data synchronization between ERP systems MARK IV and IS SOVA - invoice transmissions
Participation / Role	:	Analysis and development on the basis of requirements of analysts of both information systems.
Environment and OS	:	MS Windows/Unix
Programming languages	:	Oracle PL/SQL
Used tech-stack (SW & tools)	:	Oracle Server 8i, Oracle Designer 6i, Oracle Forms Builder 6i, SQL Navigator 4.1, Putty, Terminal Client Server, MS Visual Source Safe 6.0
Result description	:	Solution of synchronous data exchange between IS MARK IV and IS SOVA.

The project title #36	:	**APV MARK IV – CRM module**
Target customers	:	**DELTA E.S. Košice (nowdays NESS Slovensko, a.s.)** **leasing companies like: B.O.F.,a.s.,CAC LEASING Slovakia, a.s., VB LEASING SK, spol. s.r.o., etc.**
Date	:	12/2003-02/2004
Project description	:	ERP system - custom relationship management module.
Participation / Role	:	Analysis and development on the basis of requirements.
Environment and OS	:	MS Windows/Unix, J2EE, Apache Tomcat
Programming languages	:	PL/SQL, JSP, JAVA, XML, HTML, CSS2, JavaScript
Used tech-stack (SW & tools)	:	Oracle Server 8i, MS Visual Source Safe 6.0, JAVA 2 Enterprise Edition 1.4.2 + NetBeans 3.5.1, J-Creator Professional 2.50a
Result description	:	Web interface for ERP system, DB Oracle background - custom relationship.

The project title #37	:	**APV MARK IV – ARSOZ Connect**
Target customers	:	**DELTA E.S. Košice (nowdays NESS Slovensko, a.s.)** **Slovenské elektrárne, a. s. (nowdays member of ENEL group)**
Date	:	11/2003-12/2003 (part I), 01/2004-03/2004 (part II)
Project description	:	Data synchronization between two ERP systems MARK IV and ARSOZ.
Participation / Role	:	Analysis and development on the basis of requirements of analysts of both information systems.
Environment and OS	:	MS Windows/Unix
Programming languages	:	Oracle PL/SQL
Used tech-stack (SW & tools)	:	Oracle Server 7/8/8i/9i, Oracle Designer/2000, Oracle Developer/2000, Oracle Forms 4.5, Oracle Reports 4.5, Oracle Designer 6i, Oracle Forms Builder 6i, SQL Navigator 3.0/4.0/4.1/4.5, Putty, Terminal Client Server, CRT 3.0, MS Visual Source Safe 6.0, WinCVS 1.2
Result description	:	Solution of asynchronous data exchange between IS MARK IV a IS ARSOZ.

The project title #38	:	**MIS-DWH 6i**
Target customers	:	**DELTA E.S. Košice (nowdays NESS Slovensko, a.s.)** **Slovenské elektrárne, a. s. (nowdays member of ENEL group)**
Date	:	10/2003-11/2003
Project description	:	Management information system
Participation / Role	:	Migration of application from version Oracle Forms/Reports 4.5 to version 6i.
Environment and OS	:	MS Windows/Unix
Programming languages	:	Oracle PL/SQL
Used tech-stack (SW & tools)	:	Oracle Server 7/8/8i/9i, Oracle Forms&Reports 4.5, Oracle Designer/Forms Builder 6i,SQL Navigator 3.0/4.0/4.1/4.5, MS Visual Source Safe 6.0 / CVS
Result description	:	Management information system runs against new version of enviroment and database server.

The project title #40	:	**HELP DESK 6i**
Target customers	:	**DELTA E.S. Košice (nowdays NESS Slovensko, a.s.)**
Date	:	10/2003-10/2003 (part I), 04/2004-04/2004 (part II)
Project description	:	SW for a registration and managing of requirements and generating reports of done work.
Participation / Role	:	Migration of application from version Oracle Forms/Reports 4.5 to version 6i.
Environment and OS	:	MS Windows/Unix
Programming languages	:	Oracle PL/SQL
Used tech-stack (SW & tools)	:	Oracle Server 7/8/8i/9i, Oracle Forms&Reports 4.5, Oracle Designer/Forms Builder 6i, SQL Navigator 3.0/4.0/4.1/4.5, MS Visual Source Safe 6.0, WinCVS 1.2
Result description	:	HelpDesk application runs under new Oracle enviroment with improved functionality.

The project title #39	:	**PSAP ITF**
Target customers	:	**DELTA E.S. Košice (nowdays NESS Slovensko, a.s.)** **Slovenské elektrárne, a. s. (nowdays member of ENEL group)**
Date	:	07/2003-09/2003
Project description	:	Data synchronization between two ERP systems MARK IV and SAP R/3.
Participation / Role	:	Analysis and development on the basis of requirements of analysts of both information systems.
Environment and OS	:	MS Windows/Unix
Programming languages	:	Oracle PL/SQL, JAVA
Used tech-stack (SW & tools)	:	Oracle Server 8i, Oracle Designer 6i, Oracle Forms Builder 6i, SQL Navigator 4.1, Putty, Terminal Client Server, MS Visual Source Safe 6.0
Result description	:	Solution of synchronous data exchange between IS MARK IV and IS SAP R/3.

The project title #41	:	**APV MARK IV - MTZ**
Target customers	:	**DELTA E.S. Košice (nowdays NESS Slovensko, a.s.)** **Slovenské elektrárne, a. s. (nowdays member of ENEL group) and subsidiaries: EBO, ENO, EVO, VET, VYZ, Tepláreň Košice, a.s. (TEKO), Bratislavská teplárenská, a.s. (BAT)**
Date	:	05/2002-05/2004 (overlays other projects of DELTA E.S.)
Project description	:	ERP system - material supply module
Participation / Role	:	Analysis, new fuctionality development on the basis of requirements of analysts, creation and maintanance of user accounts and permissions, hotline service, data conversion, fixation of data consitency, migration of application and database to newer Oracle Release versions.
Environment and OS	:	MS Windows/Unix
Programming languages	:	Oracle PL/SQL
Used tech-stack (SW & tools)	:	Oracle Server 7/8/8i/9i, Oracle Designer/2000, Oracle Developer/2000, Oracle Forms 4.5, Oracle Reports 4.5, Oracle Designer 6i, Oracle Forms Builder 6i, SQL Navigator 3.0/4.0/4.1/4.5, Putty, Terminal Client Server, CRT 3.0, MS Visual Source Safe 6.0, WinCVS 1.2
Result description	:	Material supply modul with automation of information, supply and activity processes.

The project title #42	:	**NTAS**
Target customers	:	**Koger, Inc., Paramus, New Jersey, U.S.A.** **Koger's clients/users of NTAS**
Date	:	02/2002-05/2002
Project description	:	New-Generation Transfer Agency System
Participation / Role	:	Analysis and development on the basis of order party and hotline requirements.
Environment and OS	:	MS Windows
Programming languages	:	T-SQL, Power Builder Script
Used tech-stack (SW & tools)	:	SYBASE, PowerBuilder, PowerDesigner
Result description	:	Development of financial SW for pension and investment funds administration.

The project title #43	:	**HW-RENT**
Target customers	:	**INSIDE Communications BVBA, Belgium**
Date	:	12/2001-02/2002
Project description	:	SW for hire service company.
Participation / Role	:	Analysis and development on the basis of order party requirements.
Environment and OS	:	MS Windows
Programming languages	:	Progress 4GL, SQL
Used tech-stack (SW & tools)	:	Progress 9.1B
Result description	:	Administration SW for company that rent HW&SW.

The project title #44	:	**VRZ - Children of Paris**
Target customers	:	**INSIDE Communications BVBA, Belgium :: community foundations**
Date	:	08/2001-12/2001
Project description	:	Information system for community foundation.
Participation / Role	:	Analysis and development on the basis of order party requirements.
Environment and OS	:	MS Windows
Programming languages	:	Progress 4GL, SQL
Used tech-stack (SW & tools)	:	Progress 9.1B
Result description	:	Community foundation agenda information system where donors support children from poor families (people to people help).

The project title #45	:	**HR Inside SK**
Target customers	:	**INSIDE Communications BVBA, Belgium**
Date	:	03/2001-08/2001
Project description	:	HR agenda of company.
Participation / Role	:	Analysis and development on the basis of order party requirements.
Environment and OS	:	MS Windows
Programming languages	:	Progress 4GL, SQL
Used tech-stack (SW & tools)	:	Progress 9.1B
Result description	:	Internal HR information system to maintain HR agenda.

The project title #46	:	**CDS (Creative Display Solution)**
Target customers	:	**PHILIPS PRC GmBH, Vienna, Austria**
Date	:	2001
Project description	:	SW for motherboard of LCD projectors.
Participation / Role	:	Analysis and development, programming with MCU Toshiba. I was member of great Vienna Project Realisation Center team that - by the way - also invented the first DVD recorder device at the same time in another project.
Environment and OS	:	MSDOS/MS Windows
Programming languages	:	Toshiba ASM, C-like, C/C++
Used tech-stack (SW & tools)	:	Toshiba Dev studio, Continuous CFG SW
Result description	:	SW drivers for data flow control in the buses: 3-W, I2C.

The project title #47	:	**ADAM upgrade**
Target customers	:	**MUDr. Michal Antonic (now STOMANTRE s.r.o.), Trebišov, Slovakia**
Date	:	2000
Project description	:	Program for admistration of medical executions.
Participation / Role	:	Analysis and development on the basis of order party requirements.
Environment and OS	:	MS DOS/ MS Windows
Programming languages	:	C/C++
Used tech-stack (SW & tools)	:	Borland C/C++ 3.1, Fox Pro
Result description	:	Program for admistration of done medical executions and generating of output reports for health insurance companies + solution of Y2K SW problem. Enhancement of Adam IS (now core live IS of http://www.cgm.com/sk/).

The project title #48	:	**ST - AIS**
Target customers	:	**ICOS a.s. , Košice, Slovakia :: Slovenské telekomunikácie, a.s. (now Slovak Telekom, a.s.),**
Date	:	05/1996-12/1999
Project description	:	OSS/BSS enhancement - EDI based internal information system.
Participation / Role	:	Analysis and modification of modules on the basis of requirements.
Environment and OS	:	MS Windows 95/98/NT, MS Internet Explorer
Programming languages	:	Visual Basic/VBA, C++
Used tech-stack (SW & tools)	:	Microsoft Visual Studio 5.0
Result description	:	Internal corporate EDI IS - electronic data interchange information system.

...and many other projects since 1989, when I developed and released my first public software application for the 8-bit Sinclair ZX Spectrum 48K computer. The program, called *SILVER RUN*, was designed to record and evaluate cross-country race times and to print (using a plotter) separate result lists for each category.