

## MAJOR PROJECTS

1.	Project Name	Payment utilities
	Customer	Financial institution
	Environment	Windows/Unix
	Development Tools	C++/QT
	Short Description	MasterCard clearing message conversion utilities.
	Duration	3 months initial development, recurring maintenance
2.	Project Name	Purchase suite
	Customer	Wholesale company
	Environment	Windows/AIX
	Development Tools	C++/QT
	Short Description	Software architect for a purchase solution.
	Duration	12 months
3.	Project Name	Reporting system
	Customer	Accounting company
	Environment	Windows
	Development Tools	Java FX
	Short Description	System to generate accounting PDF report (20 pages) for comparing business results to industry average.
	Duration	6 months
4.	Project Name	Introduction of ALM
	Customer	Wholesale company
	Environment	-
	Development Tools	-
	Short Description	Project manager for introduction of an ALM solution (gathering system requirements, evaluating and suggesting a solution, implementation pilot)
	Duration	6 months
5.	Project Name	HP Plot files editor / viewer / batch manipulation
	Customer	Software publisher
	Environment	Windows
	Development Tools	C++/MFC
	Short Description	Developing next generation for manipulation of HP-GL/2 and PCL files, and resolving issues with non-standard files.
	Duration	11/2008 – 06/2013
6.	Project Name	Monitoring system
	Customer	Security solutions provider
	Environment	Windows, Linux
	Development Tools	C++, Boost, multi-threading, OpenSSL
	Short Description	System to gather server operation statistics from log files, SNMP data, WMI and other references, run them through a filtering/matching subsystem and the data to a centralized server.
	Duration	05/2011 – 11/2011

7. Project Name	Level2 automation system
Customer	Steel/aluminum treatment machinery manufacturer
Environment	Windows
Development Tools	C#/.NET, WinForms, .NET Remoting
Short Description	Level2 of automation system is a buffer between manufacturing system and PLCs on the production line (steel finishing lines) designed to provide continuous service to PLC with data gathered from the manufacturing system. My role was as the system designer (multi-tier, client/server system), project manager and developer.
Duration	12/2011 – 09/2012
8. Project Name	MasterCard transaction data viewer
Customer	Software producer
Environment	Windows/Unix
Development Tools	Java, Eclipse RCP
Short Description	Parser and viewer for MC transactions.
Duration	6 months
9. Project Name	Transaction server
Customer	Financial software Producer
Environment	z/OS, Unix
Development Tools	C/C++, COBOL, IBM DB2, IBM WebSphere MQ
Short Description	This is a gateway between the card management system, payment networks (MasterCard GCMS and SAFE; VISA BASE II) and third party systems (authorization, dispute management). I participate as project leader (managing functionality enhancements, maintenance, MC and VISA compliance, project documentation) and as developer.
Duration	12 months initial development, reoccurring maintenance
10. Project Name	z/OS system framework
Customer	Financial software Producer
Environment	z/OS, Unix
Development Tools	C, IBM WebSphere MQ, IBM DB2
Short Description	A base functionalities used in a payment system, such as file and database access; communication between different operating systems (over MQ and XML streams), and from different programming languages (C, COBOL, Java and PHP).
Duration	10 months
11. Project Name	Reporting system
Customer	Financial software Producer
Environment	Linux
Development Tools	C++
Short Description	System for mass production of PDF reports. My participation was in designing the report template file format (XML based).
Duration	4 months

12. Project Name	Banking statistical system
Customer	Financial software Producer
Environment	Windows, Linux
Development Tools	C++/MFC, MS SQL, PHP
Short Description	<p>The system gives insight to statistical information as a desktop application or over the internet.</p> <p>For the desktop version I participated in creating multi-threading support, creating data distribution system, multi-language support, with a work on GUI, etc.</p> <p>For the online version my responsibilities were to develop the backend (generating PDF reports, e-mailing service, data import) and developing a subsystem that was generating graphs for the frontend.</p>
Duration	12 months
13. Project Name	Automotive industry:
	<ul style="list-style-type: none"> <li>– system base C++ API</li> <li>– utilities</li> <li>– CAN bus and ASAM MCD 2MC/ASAP import</li> </ul>
Customer	Automotive OEM
Environment	Linux, Windows (C++/MFC, Lex & Yacc)
Development Tools	C++
Short Description	<p>A large project for automotive industry developing a complete new generation of the product. I was developing a set of cross-platform C++ classes on Linux and Windows to mimic MFC, and creating utilities and programs for system configuration and importing CAN and ASAM files (data generated by Electronic Car Unit) into the system.</p>
Duration	12 months
14. Project Name	Backup software suite
Customer	Backup solution producer
Environment	Unix/Linux, Windows
Development Tools	C
Short Description	<p>Developing components for backup software such as communication, backup of Unix systems, database backup (SAP, Oracle).</p>
Duration	4 months