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<b>EDUCATION:</b>	IT Specialist (Application Development) 2000 Cand. Dipl.-Inf. (FH) Computer Scientist/Software Engineer
<b>IT EXPERIENCE:</b>	Since 1993
<b>PROFESSIONAL EXPERIENCE:</b>	Analytical Chemistry Laboratory Automation Road Construction (Railway Traffic) Retail Pokies Manufacturers Forest-related Companies Touristics
<b>PROJECT EXPERIENCE:</b>	Requirement Analysis Programming Test Maintenance & Care Database Design Database Management Electronic Data Interchange Interface Programming Distributed Programming Object-rational Mapping Content Management Partial Project Management HotLine, HelpDesk
<b>METHODS AND TECHNIQUES:</b>	OO-Analyse & Design AnIML LECIS OMG SQL XML UML Object-rational Mapping Distributed Programming ASP JSP, Servlets, J2EE CORBA Content Management
<b>HARDWARE:</b>	IBM PCs and compatible
<b>OPERATING SYSTEMS:</b>	M MS-Windows XP MS-Windows 2000 MS-Windows NT MS-Windows 9x MS-DOS OS/400 Linux

<b>DATA COMMUNICATION/NETWORKS:</b>	Ethernet Token Ring TCP/IP HTTP FTP SSL/TSL POP3
<b>DATABASES:</b>	MS SQL Server 2000 ACCESS DB2, AS/400 Oracle MySQL

<b>PROGRAMMING LANGUAGES:</b>	Visual Basic.NET Java Visual Basic C# Ruby RPG400 Java Script VB Script C C++ PHP PowerBuilder Perl
<b>STANDARD SOFTWARE:</b>	Visual Studio.Net NetBeans XMLSpy Jbuilder Mere Mortals TopLink Rational Rose TogetherJ

<b>PRESENTATIONS AND POSTERS:</b>	<p>LabAutomation 2006, Palm Springs, CA, USA Poster presentation "Automated Generation of AnIML Documents by Analytical Instruments".</p> <p>ACS National Meeting 2006, Atlanta, GA, USA Oral presentation "Ensuring the Interoperability of the Analytical Information Markup Language (AnIML)".</p> <p>LabAutomation 2007, Palm Springs, CA, USA Poster presentation "AnIML and LECIS OMG Laboratory Standards Supporting Documentation and Generic Instrument Control".</p>
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## Project Overview

10/2006 – 04/2007

Conception and developing of a prototype of a software system for integration of generic analytical instruments in laboratory systems and interconnection with Laboratory Information Management Systems. Programming language – Java, IDE – NetBeans; operating system – Windows, others – XML, LECIS OMG, AnIML.

01/2006 – 08/2006

Design and creation of Naming and Design Rules (NDR) for creation of AnIML technique documents. Markup languages: W3C XML, W3C XML Schema, AnIML.

09/2005 – 12/2005

Design and creation of Naming and Design Rules (NDR) for design and development of XML Schemas within a Analytical Information Markup Language (AnIML). Markup languages - W3C XML, W3C XML Schema, AnIML.

01/2004 – 08/2005

Design and realization of desktop applications for processing and showing business core numbers and balances. Programming language – VisualBasic.NET, DBMS – Access, IDE – VisualStudio 2003; operating system - Windows.

10/2003 – 12/2003

Concept and establishing of a project planning and steering system for planning, steering and monitoring construction projects in the the area train traffic. Programming language – C#, DBMS – MS SQL-Server , IDE – VisualStudio; operating system - Windows.

03/2003 – 10/2003

Planning and establishing of desktop applications for handling and showing business figures and balances. Programming language - VisualBasic 6.0, DBMS – Access, IDE – VisualStudio; operating system - Windows.

06/2002 – 10/2002

Concept and realization of all content-oriented and technical requirements of the Internet and Intranet-appearances of a hospital chain. Accommodation of the clients, Helpdesk and server administration. (PanSite, Windows 2000, MS SQL-Server 2000, HTML, JavaScript, Perl, ASP, Java, XML, CSS).

01/2002 – 05/2002

Analyzing, planning and developing of an Internet-/Intranet application for creating and handling personnel surveys by observing the following requirements: Authentication, coding, session management, versioning. Programming language - Java, DBMS – MS SQL-Server 2000; operating system – Windows 2000, IDE – JBuilder. Others: HTTP, SSL/TLS, POP3, HTML, CSS.

08/2001 – 12/2001

Conception and development of an application for reading of START-Amadeus interface files in IATA format and importing of the date into the database of the line ticket information system of the tourist group. Programming language - Java, DBMS – DB2; operating system – Windows NT, IDE – JBuilder. Others: TopLink, XML.

06/2001 – 07/2001

Planning and establishing an application for import of “old data” (Access) into a line ticketing system of a tourist group. Programming language - Java, DBMS – DB2; operating system – Windows NT, IDE – JBuilder. Others: TopLink, XML.

04/2001 – 06/2001

Development of a user logistic for data import in a database as part of a controlling tool for saison planning of a touristic group. Programming language - Java, DBMS – DB2; operating system – Windows NT, IDE – JBuilder. Others: TopLink, XML.

02/2001 – 03/2001

Planning and drawing up of a framework for reading respective interface files and for controlling a data import process. Programming language - Java, DBMS – DB2; operating system – Windows NT, IDE – JBuilder. Others: TopLink, XML.

01/2001 – 02/2001

Development of a Servlet application for dynamic HTML output of database contents for an Intranet system. Programming language - Java, DBMS – DB2; operating system – Windows NT, IDE – JBuilder.

10/2000 – 11/2000

Training at Sun: OO-Analyse and design, UML. Java: Basic structures, Frontends, distributed systems, database connection, server processes, etc.

09/2000 – 10/2000

Cooperation with regard to developing a ship freight information system. Programming language - Java, DBMS – Oracle; operating system – Windows NT, IDE – JBuilder. Others: XML.

01/2000 – 05/2000

Partial planning and drawing up of an open invoice administration for a forest company, enabling establishing of almost all desired invoice receipts. Features: Master data administration, programs for entire invoicing cycle (filing, editing and printing of invoices, receipts and delivery notes), drawing up of statistics. Programming language - RPG400, DBMS – DB2; hardware – AS/400; operating system – OS/400. Partial project responsibility.

06/1999 – 11/1999

Adopting an existing interface processing to the application systems of a gaming machine manufacturer. The task was to limit processing to some interface files instead of having many small ones. Interface processing should be minimized and further automatized. Programming language - RPG400; hardware – AS/400, DBMS - DB2; operating system – OS/400. Overall project responsibility.

01/1999 – 05/1999

Planning and designing of an application for a gaming machine manufacturer for invoicing the monthly incurring license fees. Features: Transfer of invoicing data from an interface and generating of invoicing data, printing of invoice and issuance of the sales data to an accounting interface. Programming language - RPG400, DBMS – DB2; hardware – AS/400; operating system – OS/400. Partial project responsibility.

04/1998 – 11/1998

Partial planning and designing of an application for the approval department of a money gambling manufacturer allowing to order device approvals and the respectively incurring costs. Programming language - RPG400, DBMS – DB2; hardware – AS/400; operating system – OS/400. Partial project responsibility.

09/1997 – 03/1998

Partial planning and drawing up of an economic goods system for a “machine company” within the forest branche. Features are: Core data administration, registration and administration of the cut timber, registration and administration of the used material, sell of the timber (facturation), various statistics (costs and wins, etc.). Programming language - RPG400, DBMS – DB2; hardware – AS/400; operating system – OS/400. Partial project responsibility.

09/1997 – 12/2000

All projects have been targeted on ensuring the Year 2000 compliance with regard to all existing applications and the conversion to the EURO currency. (programming language - RPG400).