

Jozef Starosta

210-2978 Burlington Drive, Coquitlam BC, V3B 7S6 Canada,
ph:604.944.1554, e-mail: jozef.starosta@xeuro.ca

Qualifications

- 20+ years experience in software and database engineering
- 10+ years experience in software project management
- Very strong in gathering software requirements, analysis, architecture, object modeling and prototyping of distributed information and control transaction systems
- Key roles in large projects
 - Financial Transactions on Internet – System Architect and Specifications (2005 – now)
 - π–Network – System Designer/Architect – Vancouver (2005)
 - Marketing Management System – User Requirements, Specifications (2004-5)
 - Multi-level multi-currency multi-unit Account Management System – User Requirements, Prototyping, System Architect, Data Base Architect, Project Lead (2003-4)
 - Student Information System – User Requirements, System Architect, Database Architect, Project Lead (2001-3)
 - Distributed building access and security system – Database Architect, Project Manager, Engineering Manager (1995-2001)
 - Crew scheduling system for KLM Amsterdam – Database Architect (1990-5)
 - Integrated Statistical Information System – Leader of one three teams (1976-85)
 - Statistical Information System in Mongolia – Leader of development team (1975-6)
- Equally efficient in design, development, QA, management, training or in relations with end users
- Extensive programming experience in various languages (starting Fortran, ending C#) and in various relational databases experience including stored procedures and triggers
- Extensive experience with multinational professional teams
 - Slovakia - 9 years
 - Mongolia – 6 months
 - International team (Slovakia, Sweden, Finland, Germany, Rumania) - 3 years
 - Canada – 12 years
 - International team (Canada, Nederland) – 3 years
 - China – 2 weeks
 - Gibraltar – 3 months
- PhD Thesis on theory of relational data model, user languages and SQL query optimizer
- Able to adapt quickly to new environments, technologies as well as applications, well organized and very reliable
- Demonstrated ability to work as a teacher, presenting person, project manager, team leader, team member, or a professional individual
- Hobby: Portal of Slovak Communities in BC, Canada – www.sk-bc.ca (Linux, Apache, MySQL, PHP),
- Member of the Rotary Club of Coquitlam
- Member of Knights of Columbus

Work History

| | | |
|------------------|-------------------------|---------------|
| Sep 09 – present | EURO Programmers | Coquitlam, BC |
|------------------|-------------------------|---------------|

As a software development free-lancer I am currently working on various web portal projects that are based on content management systems:

- www.sk-bc.ca - a portal of Slovak communities in British Columbia (PHP, CMS Drupal, MySQL)
- www.ultimatecollision.com/ - a production web site developed in PHP
- www.romantulis.com/php/ - a production web site developed in CMS NUKE, PHP, MySql
- www.tri-kofc.org/ - a community web site developed using CMS Drupal, PHP, MySql DB
- www.volleyballbc.ca – maintaining an portal with more than 10,000 users using ASP, MS Access
- www.lightningelectric.ca - a tiny production web site developed in PHP
- www.squamish-properties.com - a production web site developed in PHP
- www.islovak.sk - currently under development using CMS Drupal and PHP, MySql
- www.icrowncoinc.com/ - the latest production web site in CMS Drupal and PHP, MySql

| | | |
|-----------------|--------------------------------|---------------|
| May 00 – Sep 09 | xEURO Programmers Corp. | Coquitlam, BC |
|-----------------|--------------------------------|---------------|

I was a principal owner of xEuro Programmers Corp. that was a software engineering free-lance group offering expertise in development of WEB accessible information and control transaction systems as well as general IT consulting services.

Business Analyst

- User Requirements and Business Analysis of Marketing Management System for Mansion (Gibraltar) Ltd.
- Multi-level multi-currency multi-unit Account Management System, GRM, Vancouver
- Student Information System, UBC, Vancouver

System Architect

- Specification, architectural design, communication protocol and prototyping of Financial Transactions on Internet – No fraud solution
- Specification, architectural design and communication protocol for π -Network
- Specification, architectural design and prototype of DMS (Distributor Management System – Multi-level – currency –unit credit/debit Account Management System) for the Green Room Media, Vancouver (Linux, Apache, PHP, MySQL)
- Specification, architectural design and PHP prototype of CCMS (Client and Course Management System) for the Continuing Studies, UBC, Vancouver (Unix, Apache, Oracle, PHP)
- Specification of Tridium/Niagara Framework Building Access Control functionality : Niagara Framework

Database Design and Maintenance

- Maintenance of the Room Management System database (Paradox, SJC UBC)
- Database design of affiliate and agent systems (MySQL)
- Database design of CCMS – student registration and tracking, course development, data import/export (Oracle)
- Specification of a database re-design for fetchOmatic, an online web based search engine : (MS SQL 7)

Software Development

- Various community and social network portals (based on CMC Drupal)
- Accounting web portal (www.crowncoinc.com)
- CCMS Web Interface programming – PHP, SQL, Oracle

- Agent Program Prototype – PHP, MySql

QA

- Walk-through C# code
- Local and remote testing of www.mansion.com

Technical Presentation

- OPENcentrix presentation to System Integrators in Beijing, China : MS PP, OPENcentrix, LonWorks, LonPoint
- OPENcentrix presentation to System Integrators at Echelon's Open System Tour 2000 : MS PP, OPENcentrix, LonWorks

Engineering Manager, Project Coordinator

- OPENcentrix+: xEuro Programmers Corp. represented an Engineering Group of Equilon Technologies for 8 months. During this time OPENcentrix, the Building Access and Security System had been re-built and prepared for distribution. The next generation of the system, OPENcentrix+, had been specified : MS Office, MS Project, MS Access, Win 2000, MS SQL 2000, MS Visio
- OPENcentrix Upgrade: Federal Protective Services and Teng and Associates, Chicago,IL, needed to upgrade the installation of OPENcentrix Building Access System that controls 9 buildings across Chicago : MS Access, Win NT, MS SQL 2000, LNS, LonWorks, LonMaker, MS Visio

| | | |
|-------------|--------------------------|---------------|
| 95 - May 00 | Alya Systems Inc. | Coquitlam, BC |
|-------------|--------------------------|---------------|

Alya developed the OPENcentrix, a high-end Access Control and Security System based on LonWorks and Windows.

System Architect

- XLIGHT Design - (eXtended Lon Installation and confiGuration Help Tool). A project to design and develop a generic tool for installation, configuration (and monitoring) of control network nodes. The XLIGHT tool was designed to be one of basic building blocks for the next generation of OPENcentrix. An XML based application data exchange protocol was a central focus of the project : Technology proposed: Echelon LonWork, Neuron C, LNS DB, VC++, XML, WML, HTTP

Researcher

- Markup Language Research: HTTP, XML, XSL, XML Schema, WML, HTTP, WAP

Database designer, DB Administrator, System Architect, Chief Software Engineer, Team Leader, Project Manager, Engineering Manager

- OPENcentrix: a project to develop a security management system ready for interoperability with other Building Automation Systems. Access Control based on variety of access user privileges, Alarm Monitoring and Distributed Data and Processing are the main functional features of the system : Technology used VC++, MFC, VB, Windows NT, Widows95, S-designer, Data Architect, SQL Server, MS Access, ODBC, Echelon LonWork, Neuron C, LonMark Interoperability

| | | |
|-------|---------------------------|-----------------------------|
| 88-95 | Mercury Scheduling | Vancouver and KLM Amsterdam |
|-------|---------------------------|-----------------------------|

Mercury Scheduling has been a leading supplier of airline operations software to the international airline industry since 1982. With clients ranging from regional airlines to some of the world's largest carriers, Mercury has a comprehensive understanding of an airline's complex crew management needs

DB Administrator, Senior Software Engineer, Team leader, SQL/C++ programmer

- Crew Scheduling and Information System for KLM Flight Attendants - A project to interface Crew and Flight Information System based on a mainframe IMS (BD2) and a crew scheduling system based on HP, Unix and Oracle DBMS. The main challenge of the project was to synchronize data between the two databases, DB2 and Oracle : HP, Unix, Erwin, Oracle, SQL, PL/SQL, C++, DB2, Trilogy, Prolog

| | | |
|--|---|------------------------------|
| 87-88 | Western Softworks | North Vancouver, B.C. |
| <p>Western Softworks is a software development contracting company <i>Software Engineer, DB programmer</i></p> <ul style="list-style-type: none"> The High School Information System - A project to design and develop new DB functions and reports for the school information system : DOS, C, Unify DBMS, Informix DBMS | | |
| 86-87 | Society for Employment Concerns | Vancouver, B.C. |
| <p>Society for Employment Concerns was a company to help non-traditionally unemployed professionals. <i>System Analyst, Designer and Programmer</i></p> <ul style="list-style-type: none"> Interactive Computer Assisted Learning Software - A project to create a self-evaluating, learning, interactive program that evaluates characteristics of a user and suggests possible areas of a future career : DOS, Pilot, dBASE III | | |
| 87 | Complete Logic Systems | North Vancouver, B.C. Canada |
| <p>Complete Logic Systems, as the name indicates, was a company with a vision of a programming language, Trilogy, based on pure and complete logic. <i>System Programmer</i></p> <ul style="list-style-type: none"> TRILOGY, a new programming language of 5-th generation - A project to design a new progressive programming language and a software development environment, to create a compiler of that language. The Trilogy was designed to compete with Prolog, C++ and with various DBMSs. Although the compiler was ready to use, the marketing was not properly prepared and currently the TRILOGY language is used for educational purposes : DOS, C, Logical Programming | | |
| 81-85 | Research Institute of Economic Information | Bratislava, Slovakia |
| <p><i>Software Engineer, Team Leader, System Analyst and Architect, Technical Writer</i></p> <ul style="list-style-type: none"> INTERTAB - An International Statistical Computing Project (Unesco) that included 11 European countries. The main challenge was to design an user friendly table generator language and its compiler/interpreter : IBM mainframes, Pascal, PL-1, Assembler Communication Tool for Information System End User - An educational project - study toward the PhD title. The main focus of the PhD thesis was a theory of the relational data model, design of an user friendly communication language and implementation of an SQL query optimizer : Pascal, Assembler | | |
| 77-80 | Computer Research Center | Bratislava, Slovakia |
| <p><i>Team leader, System Analyst and Designer, Programmer</i></p> <ul style="list-style-type: none"> RELAN, an user friendly relational language - A project to design RELAN and its interpreter, as one of languages of SOFIS (Software For Information Systems), an information system designed to be used in the Central Statistical Office of Czecho-Slovakia. The main challenge of the project was to apply a relational DBMS theory on top of the (then) existing file systems, e.g. flat files, index-sequential files : IBM, CDC, ICL, Pascal, Sequel | | |
| 75-76 | Central Statistical Office | Ulan Bator, Mongolia |
| <p><i>System Analyst and Designer, Team Leader, Programmer, Fortran Lecturer</i></p> <ul style="list-style-type: none"> PASPU, a software package for input, update and retrieval of statistical data - A project to design and implement a software system for the Central Statistical Office in Mongolia. The main challenge was not only to design and implement the system but also to teach the Mongolian programmers to maintain and modify the system : MINSK-22, Fortran | | |
| 72-75 | Computer Research Center | Bratislava, Slovakia |
| <p><i>System Analyst and Programmer</i></p> <ul style="list-style-type: none"> Pascal Compiler - A project to create a compiler of the Pascal programming language. The main | | |

challenge of the project was to prove a concept of "portability" of the compiler, i.e. a capability of the compiler to run under the various operating systems : Snobol, Pascal, Boot-strapping, IBM, CDC, ICL mainframe computers

Education

| | | |
|-------|----------------------------|----------------------|
| 80-84 | Economic University | Bratislava, Slovakia |
|-------|----------------------------|----------------------|

- Studies towards a Ph.D. of Science
 - General Economics
 - Theory of Information Systems
 - Relational Data Model

| | | |
|-------|-----------------------------|----------------------|
| 63-69 | Technical University | Bratislava, Slovakia |
|-------|-----------------------------|----------------------|

- Completed Bachelor and Master Degrees in Electrical Engineering
 - Theory of Control of Technical Systems
 - Computer Hardware and Software
 - Programming Languages

January 2012