

**SOFTWARE ENGINEER/SYSTEM
ANALYST**
Client-Server Architecture
System Administration

Personal Data

Name: EDU
First name: Marian
Born on September the 11th, 1974
Married

Education: 1992 – 1997 Polytechnic University of CLUJ
Automation and Computer School
Section: Computer Science

Languages: English, French

Expertise

- Development of client-server systems
- Internet / Intranet
- System & Network administration
- Technical support

Knowledge

Operating Systems:

- MS Windows, Windows for Workgroups, Windows 95, NT 4.0
- MS-DOS
- UNIX

Graphic Interfaces:

- MSWindows
- XWindows

Programming Languages & Environments:

- Progress 4GL (ADM, WebSpeed)
- C, GNU C, MS Visual C++, ASP
- Unix shell
- Php, Python, HTML, CGI

Databases:

- Progress
- Oracle
- MYSQL, LDAP
- MS SQL, MS Access
- OLTP: BEA TUXEDO v6.3

Network & Communications:

- Network protocols: TCP/IP, IPX/SPX.
- Application protocols: FTP, TELNET, HTTP, SMTP, POP3, IMAP, SNMP, NFS, etc.
- Network management.
- *Firewalls, proxies, DNS, RAS* etc.

Internet:

- WEB Server: Apache, Microsoft Internet Information Server
- News Server, Mail Server (sendmail, postfix).

Tools:

- MS Word, MS Excel, MS PowerPoint
- MS Project, Gantt Project (project management)
- ERwin, Power Designer, Dia (modeling)
- CorVu, Business Objects (business intelligence, reporting)
- Informatica PowerCenter, Business Objects Data Integrator (ETL)
- MS SourceSafe, CVS (source control)

Professional Training

- **Business Objects Data Integrator, Universe Design** – Business Objects (October 2005)
- **IBM Websphere Data Integration (Ascential) Workshop** – IBM (September 2005)
- **Mastering Microsoft Visual Basic 6 Development (#1013)** – ProManagement (January 2005)
- **Document Output Management, Design Studio** – Optio Software (June 2004)
- **Project Management** – RO Project Management (April 2004)
- **Planning, Deploying, and Managing an Enterprise Project Management Solution (#2732)** – Intelisoft (April 2004)
- **Advanced Smart Objects Programming - ADM2** – Progress Software France (February 2001)

Personal projects

Ganimede

open-source web transaction server & application server

Project owner, developer

The goal of this project is to make possible to access Progress database from any external program that can use sockets and serve as an open-source web transaction server that can open-up the Progress RDBMS to web serving as an inexpensive startup for web environment. A generic API interface was developed for allowing easy access from different programming languages extending it to an application server.

Platform: OS independent
Language: Progress 4GL, ANSI C, PHP, Python
SGBD: Progress

SourceForge: <http://sourceforge.net/projects/ganimede>

Professional Experience

Since March 2006

Levi9 Global Sourcing

Team Leader

Main duty was to build and manage a team of five developers which consisted in mentoring and actually coaching the team members in Progress technologies in order to prepare them for the new projects that where planed to start immediately after the training period.

March 2005 – March 2006

IBM Romania

IT Architect

- ❑ Information System for Cadastre and Land Registration

The project involved building a joint information system for National Agency for Cadastre and Land Registration which provide all specific functionalities required for cadastre and land registration in a distributed architecture.

Platform: Windows
Language: PL/SQL
SGBD: ORACLE

Personal contribution to the project was to analyze and implement the replication solution for the distributed architecture used and to add to the existing application level security another server side security level using the database level security.

- ❑ Enterprise Data Warehouse Implementation in Telco Industry

The project involved building an enterprise data warehouse solution for the national telecommunication operator in Slovakia having as purpose data integration and cleansing, centralized reporting and serving as the foundation for a business intelligence decision support system.

Platform: Windows, Unix
Language: PL/SQL
SGBD: ORACLE
ETL: Informatica PowerCenter

Involved in the project at the end of the first build phase as ETL developer the main responsibilities were data mapping design from source systems to the enterprise data warehouse, design and development of the ETL maps.

□ Enterprise Data Warehouse Implementation in Telco Industry

The project involved building an enterprise data warehouse solution for the national telecommunication operator in Jordan having as purpose data integration and cleansing, centralized reporting and a complete business intelligence decision support system.

Platform: Windows, Unix
Language: PL/SQL
SGBD: ORACLE, MS-SQL (OLAP)
ETL: Business Objects Data Integrator

Involved in the micro-design phase of the project as a data designer/modeler I've had as main responsibility data mapping design from source systems to the enterprise data warehouse and implementing the IBM TDW/TDM enterprise model for Telco industry.

□ Enterprise Data Warehouse Implementation in Telco Industry

The project involved building an enterprise data warehouse solution for a major telecommunication operator in Romania having as purpose data integration and cleansing, centralized reporting and serving as the foundation for a business intelligence decision support system.

Platform: Windows, Unix
Language: PL/SQL
SGBD: ORACLE
ETL: Informatica PowerCenter

Involved in the project as a database designer, data modeler and as an ETL developer the main responsibilities were data modeling and data mapping design from source systems to the enterprise data warehouse. Analyzing source systems database schema and business functionality was another task I was heavily involved in.

2002-2005

Crescendo International

Solution architect

- Document and workflow management solution for MFG/PRO ERP.

The project involved integration between different systems and applications to provide an answer for the demand of document management, approval workflow management and integration with the existing ERP systems used in one of the major international companies in the foods industry – Kraft Foods Inc.

Platform: Windows, Unix
Language: VB, VB.NET, ASP, Java Script, Progress 4GL
SGBD: MS SQL, Progress RDBMS

Participation into the project from the early stage of proposing solutions for the request of proposal regarding document content and workflow management solution which need to be integrated with the existing ERP system (CEMA). Working on solution architecture for systems integration, provided technical expertise as a senior developer and team leader being deeply involved into the project's phase of analyze and development.

Project Manager

- Internal implementation - CRM solution

Project management, analyze and development for internal implementation of one CRM solution using Track Web application from Soffront Inc.

Platform: Windows
Language: ASP, Java Script
SGBD: MS SQL

Started by providing technical expertise, participation to functional analyze and mostly development of customizations required and finally taking over the project management as the solution was planed to be proposed to external clients.

Analyst programmer

- MFG/PRO Interface to MS Project

Analyze and development for MFG/PRO module interface to MS Project - import/export using MPX v4.0 file format.

Platform: Unix, Windows
Language: 4GL Progress
SGBD: Progress

- Report Wizard

Analyze and development for an end-user reporting application designed as a wizard similar to Results but offering more graphical facilities.

Platform: Windows
Language: 4GL Progress (ADM2, Speed Script)

SGBD: Progress

Application use a repository based reports library and have all table relations stored in a meta-schema database allowing on-the-fly reports creations by end-users with only functional knowledge.

□ Salcres

Development for an application module designed as a complementary employer's payment module for MFG/PRO ERP localized to Romanian legislation.

Platform: Windows
Language: 4GL Progress (ADM2, Report Builder)
SGBD: Progress

1999 - 2002

Romanian Data Soft - ROMINFO

Developer

□ LaPoste - France Progress Software France

Migration from Progress v6 DOS to v9 Windows of an application used for HR management at national postal services in France.

Platform: Windows NT (server) / Windows (client)
Language: 4GL Progress
SGBD: Progress

- Analyze and implementation of migration
- Application integration on different platforms
- Database administration

□ Brandt Commerce – France Progress Software France

Maintenance and development of new enhancements for one application of budget analyze and previsions for one of the major production company in home equipments fields.

Platform: Windows
Language: 4GL Progress
SGBD: Progress, VMS (data-server)

□ Hays DX – France Progress Software France

Maintenance and development of new enhancements of one shipments management application's for an international shipments company.

Platform: SUN SOLARIS (server) / Windows (client)
Language: 4GL Progress, PHP, HTML
SGBD: Progress

- Development of new reports, inquiries and other enhancements
- Server migration from V8 to V9

- Starting the development on web environment using PHP with database access through ODBC.

□ RhonAlp Service – France

Outsourcing management, administration and participation in development process of a major outsourcing project.

Platform: UNIXWARE
Language: 4GL Progress, shell UNIX
SGBD: Progress

- Creation of an source management system for development environment using Unix native SCCS system and shell scripts
- Database administration, system installation and tuning

□ SEMA GROUP HMIS – Health Management Information System

Maintenance on a project of national span having for goal the realization of a computer system at Romanian Ministry of the Health level and his structures on the territory of the Romania.

Platform: Windows 95/, Windows NT 4.0, and Digital UNIX
Language: Visual Basic, Visual C, SQL, UNIX shell
SGBD: ORACLE 7/8 with Tuxedo v6.3

- Telephonic assistance and technical aid for users of the applications
- Defect tracking, technical support
- Analysis of user's demands for intervention (bug correction for the applications, or some other technical problems).
- Installation and configuration of ORACLE, BEA Tuxedo.

□ Project "Users and Computers Management" - component of the Intranet of RDS

Analyze and development of an internal application for Romanian Data Soft intranet, used as users and computers data base repository (installed base) and as a user's administration interface.

Platform: Linux
Languages: SQL, HTML, PHP, and JavaScript
SGBD: MYSQL, LDAP

□ KOBA – France

Adaptation of an application for management of subscriptions with a view to integrates the management of donation data.

Platform: HP UNIX
Language: 4GL Progress
SGBD: Progress

- Screen creation

- Merging of supplementary functionality's to the standard application, as required by the specificity of the application of donations management

□ KPMG

Migration of "Report Builder" editions for an application of trade management through a technique based on the use of Windows libraries from Progress (Editions Progress via API Windows).

Platform: Windows 3.1. / Windows 95
Language: 4GL Progress, C
SGBD: Progress

- Migration of code V6 (character mode) towards V8 (graphic mode - Windows interface).

System and Network Administrator

Administration of internal network consisting of 60 workstations (Windows 95 and Windows Workstation 4.0), five servers (of which two Windows NT, two Linux and a SCO UNIX) and routing equipments.

August 1997 - January 1999

Medicine University of CLUJ

System Administrator:

- Development of the university information network (Ethernet) and maintenance/technical assistance for the workstations under Windows NT Server.
- Technical assistance (hardware).
- Training and technical support for employees in the use of information tools (image acquisition).