Maria Laura SEBU

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Work Experience

Project Manager/Technical Team Leader - INFOBEST, Timisoara, Romania
02/2013 – Present

Customer: Continental Automotive, Frankfurt, Germany

Project: SEEP - Structogram Editor Eclipse Plugin
SEEP is a code editor developed both as a standalone tool and as a plug-in for Eclipse development environment which uses the Nassi-Shneidermann graphical code representation.

Technologies: Java - Eclipse RCP, GEF, GMF

Project: KPI Calculator – Key Performance Indicator Calculator
KPI Calculator is an application computing the following performance indicators: Structural Code Test Coverage, Software Requirements Test Coverage, Coding Rules Violation Density, Defect Root Cause Ratios, Customer Defect Density.

Project: CI Lib – Continuous Integration Library
CI Lib is a library providing support to perform Continuous Integration with Jenkins as build server and PTC Integrity as configuration management solution
Technologies: Java

- Manage project activities across all phases: initiating, planning, execution, monitoring/control and closure
- Lead several teams up to five developers
- Communicate and collaborate directly with customer for requirements, specification, deliverables, acceptance criteria
- Define and coordinate the technical tasks of the project
- Participate actively in architecture, design and development activities
- Handle project maintenance and 3rd level support

Customer: TTR Group, Frankfurt, Germany

Project: CSM – Customer Satisfaction Management
CSM is an enterprise application allowing an active monitoring of customer satisfaction
- Define and coordinate the technical tasks of the project
- Perform analysis activities for product performance improvements
- Perform design and development of new features
- Lead team up to 5 developers
Technologies: Java – Spring, Hibernate, JSF, JSP, Struts, JDBC, BIRT, Apache Wicket, SQL Server - PLSQL

Research Assistant - Politechnics University of Timisoara
11/2013 – Present

- PHD student and researcher in the area of process aware information systems
- Teach "Programming techniques" class lab (Informatics, 1st year)

Project Manager/Technical Team Leader – LASTING Software, Timisoara, Romania
05/2010 – 02/2013

Customer: Buzzinbees, Sophia Antipolis, France

Project: SIP (Session Initiation Protocol) & Diameter stacks

Project: WFM – Workflow Manager
Component of Bee-SOON (SIM ON/OFF Node) used to dynamically allocate phone numbers at the time of SIM card activation. Access to telecom network elements is ensured through a business process definition, XML abstraction of the operator use case, and bundled plug-ins for network actions.

Technologies: Java – Jboss, jBPM, JPA, Hibernate, Web Services

- Coordinate technically projects in telecom software application development
- Manage customer relation: statement of work definition, software development process, planning, budget, techniques and tools to support performance
- Define software architecture: low level design, interfaces, communication, build and deployment considerations, high availability
- Design and implementation of telecom enterprise applications using Java technologies
- Design and implementation of an automated tests infrastructure
- Contribute to system integration with external components and perform system testing
- Leading teams up to eight engineers (developers, testers, integrators)

Software Project Leader – Alcatel-Lucent Romania
01/2009 – 05/2010

Project: PRBT – Personalized Ringback Tone
Component: CMS – Content Management System
CMS serves as a central repository for user profiles, billing information and media content.

- Create detailed specification and design documentation based on customer requirements
- Work with development and testing teams, perform product analysis in collaboration with external consultancy with the scope of reaching high availability customer targets
- Perform an analysis for application tuning and performance
- Design and implementation of telecom enterprise applications using Java technologies

Software Developer – Alcatel-Lucent Romania
05/2006 – 01/2009

- Design and implementation of telecom enterprise applications using Java technologies

Technologies: Java – Weblogic, EJB, JMS, Web Services ; Oracle – PLSQL

Education

- **Polytechnics University of Timisoara, Automation and Computers Faculty, Computer Science Department - Doctor of Engineering 2013 – 2016 (in progress)**

Thesis: *Business Processes Modelling Solution Supporting Cross-organizational Collaboration*

- **Polytechnics University of Timisoara, Automation and Computers Faculty, Computer Science Department, Master - Advanced Computer Systems 2006 – 2008**

Thesis: *Grid Service Patterns. Enterprise Grid Patterns. Grade: 9.98 (out of 10)*

- **Polytechnics University of Timisoara, Automation and Computers Faculty, Computer Science Department, Engineer 2001 – 2006**

Thesis: *Development of distributed applications on grid architectures between loosely-coupled systems using stateful Web Services based on Web Service Resource Framework Grade: 9.98 (out of 10)*

Certifications

- **Project Management Professional (PMP)®, The Project Management Institute (PMI), April 2016**

Skills

- Programming: Java, J2EE: EJB, Servlet, JSP, JMS, JDBC, JNDI, Spring, Web Services, Apache Wicket, Eclipse RCP, GEF, GMF;
- Operating systems: RedHAT Linux, Sun Solaris;
- Database: MS-SQL Server, Oracle
- Testing tools: JUnit;
- Middleware: JBoss, Weblogic, Apache Tomcat
- Development tools: JMeter;
- Source control: SVN, ClearCase, Git, PTC Integrity;
- Languages: Romanian (Mother tongue), English (Very good), French (Intermediate).
- Other: project management, configuration management

Published Papers

- The Design of Stateful Web Services based on Web Service Resource Framework implemented in Globus Toolkit 4, SYNACS GridCAD Workshop on Grid Computing Applications Development, September 17, 2006

- An Architecture of Grid Computing, Mediogrid Workshop

- Applied process mining in software development, SACI 2014, 9th IEEE International Symposium on Applied Computational Intelligence and Informatics, May 15, 2014

- Process Mining Functional and Structural Validation, SOFA 6th IEEE International Workshop on Soft Computing Applications IEEE, July 25, 2014

- Business process similarity metric supporting one-to-many relationship, SACI 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics, May 22, 2015

- Business activity monitoring solution to detect deviations in business process execution, SACI 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics, May 22, 2015

- Cross-organizational compatibility detection with process mining, Buletinul Institutului Politehnic din Iasi, Universitatea Tehnică „Gheorghe Asachi" din Iaşi, Tomul LVIII (LXII), Fasc. 1, 2015

- Merging business processes for a common workflow in an organizational collaborative scenario, ICSTCC - 19th International Conference on System Theory, Control and Computing, October 15th, 2015

- Similarity of business process models in a modular design, SACI 11th IEEE International Symposium on Applied Computational Intelligence and Informatics, May 12, 2016

- Optimizing business processes by learning from monitoring results, SACI 11th IEEE International Symposium on Applied Computational Intelligence and Informatics, May 12, 2016