

Decebal Şuiu

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Personal Information

- *Date and place of birth: 2 June 1975, Bucharest, Romania*

Work Experience

Modern Systems / One Advanced (2019 - present)

Position:

- *senior Java developer*

Responsibilities:

- *research and development (port COBOL Report Writer in Java using a DSL over JasperReports, JPMS – Java modularity, improve data migration process using parallel processing – LMAX Disruptor, improve Cobol to Java code generation process using Xtext and Xtend)*
- *switch from Java 8 to Java 11*
- *support for Spring Cloud Config*
- *securing web services using JWT*
- *add support for authentication in frontend (Angular application) using JWT*
- *product development*

The following technologies are used:

- *Spring Framework/Boot, Guice (in some projects), Spring Cloud Config, HTML, JSON, AJAX, GIT, Tomcat, JPA, Hibernate, Gradle, Jenkins*

Infologic (2016 - 2019)

Position:

- *senior Java developer*

Responsibilities:

- *move the entire ERP suite from a manual dependencies system (all jar files in a single big “libs” directory) to an automatically dependencies system (Apache Ivy) => possibility to update many dependencies (Hibernate, Apache Commons, Log4J and many more) and move the project forward*
- *move from CVS to GIT*
- *install and maintain an Artifactory (Maven cache, Central artifacts repository) instance*
- *starting process of switching from Java 8 to Java 11*
- *install and maintain a Jenkins instance with multiple slave nodes together with various integrations (GitLab, SonarQube)*
- *create Vault system (a big web storage that aggregates different data from different ERP implementations and offer that data to other systems (for example the AI system used to optimize some processes)*
- *product development*

The following technologies were used:

- *Hibernate, Rest Web Services, XML. JSON, AJAX, Git, Tomcat, Jenkins, Apache ANT, Apache Ivy*

Advantage Software Factory (2004 - 2016)

Position:

- *senior Java developer*
- *team leader, project manager, product manager for NextReports project*

Responsibilities:

- *research and development (create a fast development framework which is the base for all the company products, add Continuous Integration via Hudson/Jenkins, add Spring Framework, add Dependency Management via Apache Ivy/Maven, add Apache Wicket as component oriented web framework)*
- *Java recruiter (only for technical aspects)*
- *contribute actively as Java developer to projects like: Vodafone Retail System, Vodafone Debt Collector, Montero Warehouse Management System (I have dealt more with the horizontal services: Security, Printing, Persistence Layer, Service Layer, Reporting, Build & Deploy)*

The following technologies were used:

- *J2EE, Spring Framework, SQL, Swing, HTML, CSS, XML, Jackrabbit (Java Content Repository), Apache Wicket (web framework), AJAX, JSON, JQUERY, Jersey (Web Services), Quartz (Scheduler Server), EHCACHE, Ant, Ivy, Maven, CVS, SVN, GIT, Jetty, Tomcat, JBoss, Oracle 10gAS*

Within this company I won several awards:

- *Certificate of Accomplishment (2005) – in recognition of professional achievement as the “Most Innovative Employee”*
- *Certificate of Accomplishment (2006) – for innovation in contributing to NextReports and Web Framework*
- *Most Innovative (2007) – in recognition of professional achievements, great contributions and hard work*

In 2006 I created NextReports, a reporting tool in Java. Now, NextReports is a leading open source reporting suite used worldwide. The entire suite is available on GitHub.

Adcon Telemetry (1999 - 2003)

Position:

- *senior Java programmer*

Responsibilities:

- *design and implement various parts (Extension Mechanism, Transaction Service, Security Service, Naming and Directory Service) of the data acquisition and processing software - addVANTAGEPro.*
- *design and implement a monitoring suite for the application server (Log Monitor, User Monitor, Thread Monitor)*
- *design and implement the license kit (with features like: expiration date, automatic copy protection, host dependence, maximum number of users allowed, maximum number of devices allowed).*
- *supervisor of the project for Linux and Solaris platforms*
- *design and implement (only the servers part and the communication protocol – XML based) the NISCP (National Informatics System for Crop Protections) for which the beneficiary was the Ministry of Agriculture.*

The following technologies were used:

- *RMI, SWING, Java 2D, Servlets, Java Mail, JDBC, JNDI, JSP, XML, UML, specific design patterns, transactions, CVS*

The addVANTAGE products covering water management, agriculture, irrigation, are sold all over the world for big companies like Agrilink from Australia, Western Farm from USA. The application server is a Java RMI server that contains essential services like: Naming and Directory, Persistence, Security, Database Connectivity, Logging, Extensions, Activity Monitors.

Romanian National News Agency (AGERPRES) (1998 – 1999)

Position:

- *software engineer*

Responsibilities:

- *design and implement a national system for real time news distribution through a heterogeneous environment. The system used Java as programming language.*

The following technologies were used:

- *push technology, multicast transmission (LRMP, a reliable multicast protocol from Inria), distributed computing (RMI with custom sockets), Swing*

The application reads news in real time from the receivers using the serial port, groups news on channels and pushes them to subscribers (TV stations, Radio stations, Newspapers).

The system was designed to do the same job as Castanet from Marimba and Startbust from Startbust Communications but with lower costs.

Key Skills / IT & Software Experience

Notable highlights:

- *I have been using Java since 1997 (I began with JDK 1.0.3). My entire career is about and around Java*
- *Diploma project in Java language (JDK 1.1.3) - image processing (reduction of colours from an image using vector calculation).*
- *Web programming using: Servlets, JSP, Apache Wicket*
- *J2EE with EJB and Spring framework*
- *Application servers as JBoss, Oracle 10gAS*
- *Design patterns*

- *Swing, Java Mail, JNDI, RMI, JDBC, JPA, Hibernate, Spring Framework, JCR, EJB, JUnit, Quartz Scheduler, Log4j*
- *Ant, Ivy, Maven, Gradle*
- *CVS, SUBVERSION, GIT*
- *Linux/Unix (my desktop & server OS for the last 15 years)*

As a Java enthusiast and mentor I encouraged open source and social coding initiative. I have created and I have been contributing to many projects released under an Open Source License. Below are (probably) the top 3 projects:

- *PF4J (<https://github.com/decebals/pf4j>) a powerful plugin framework for Java used among others by Facebook (Buck), Google + Netflix (Spinnaker), NASA*
- *Pippo (<https://github.com/decebals/pippo>) a Micro Java Web Framework that in 2016 for a short period of time was most Java trending project on GitHub*
- *NextReports (<https://github.com/nextreports>) leading Ad Hoc Query and Reporting tool that promotes simple, fast and powerful report creation, an alternative to Tibco's Jasper Report, IBM Birt*

I believe that it's a challenge to validate an idea via an open source project, to create a community of users and developers around it, to preserve good quality, to grow and be useful to others.

Education

Faculty of Electronic and Telecommunication, Polytechnic Institute of Bucharest, 1993-1998

Diplomat Engineer in Computer Science (System Engineer).

Hobbies

Robotics (autonomous robots), Internet of Things (IoT) - home automation projects, sports (basketball, football, chess), gardening, projection (irrigation systems, small buildings) using SOLIDWORKS application.