

Dominik Cebula

Mobile: +48 661 681 502

Homepage: <http://dominikcebula.com/>

E-Mail: dominikcebula@gmail.com

Java Software Developer



PROFESSIONAL PROFILE

A committed, experienced developer with passion and wide knowledge of creating complex systems, currently looking for new opportunities to develop exiting products.

COMPETENCIES

Core Skills:

- ▶ Java Core ★★★★★
- ▶ Java Memory Model ★★★★★
- ▶ Lambda / Reference Method ★★★★★
- ▶ Streams API ★★★★★
- ▶ JUnit, EasyMock, Mockito, Unitils ★★★★★

Big Data:

- ▶ Apache Hadoop HDFS ★★☆☆☆
- ▶ Apache YARN, Spark ★★☆☆☆
- ▶ Jupyter / Zeppelin / SageMaker ★☆☆☆☆

Frontend:

- ▶ ReactJS / Redux / ES6 ★★☆☆☆
- ▶ HTML / CSS / JS / jQuery ★★☆☆☆
- ▶ Java Swing / JavaFX ★★☆☆☆

Data:

- ▶ Oracle Database 12g ★★★★★
- ▶ XML / XSD ★★★★★

C++:

- ▶ GCC / G++ ★★★★★
- ▶ CMake ★★★★★
- ▶ NMake ★★★★★
- ▶ CLion / Visual Studio ★★★★★

Tools:

- ▶ Maven / TeamCity ★★★★★
- ▶ IntelliJ ★★★★★
- ▶ Sonar Code Analytics / Bitbucket ★★★★★
- ▶ Rally / JIRA ★★★★★

Software Development Principles:

- ▶ Clean Code ★★★★★
- ▶ Design Patterns ★★★★★
- ▶ SOLID ★★★★★
- ▶ Continuous Development ★★★★★
- ▶ Scrum ★★★★★

Cloud:

- ▶ AWS EC2 / VPC / ELB / Route 53 ★★★★★
- ▶ AWS S3 / EFS ★★★★★
- ▶ Docker ★★★★★
- ▶ Kubernetes / OpenShift ★★★★★

Backend:

- ▶ Spring Core / MVC / Boot ★★★★★
- ▶ Tomcat / Wildfly ★★★★★
- ▶ Rest, EJB, RMI, SOAP ★★★★★

Version Control Systems:

- ▶ GIT ★★★★★
- ▶ SVN ★★★★★

Operation Research:

- ▶ Linear / Integer Programming Model Analysis ★★★★★
- ▶ IBM ILOG CPLEX ★☆☆☆☆

Linux:

- ▶ Experienced User ★★★★★
- ▶ Bash Scripting ★★★★★
- ▶ OpenSSH ★★★★★

PROFESSIONAL EXPERIENCE

Since 01 Oct 2012: Sabre Holdings - Cracow

Currently employed

- ▶ Principal Software Engineer - 01 September 2019 – current
 - Role Summary:

As a Principal Software Engineer, I am working together with the Team on completing goals in cloud related projects. I am involved in end-to-end lifecycle of the product, from both business and technical perspective, taking into account ROI calculations, business cases requirements gathering, product design, development, work planning for the Team. I am educating the team on code quality, and advising on technologies.
 - Key Projects:
 - AVPS Insights – Airline Market Data Analysis and Visualizations
 - Models Next - Dynamically Scalable, Highly Available, Fault Tolerant, Service Oriented Architecture for AVPS Models
 - Responsibilities:
 - Leading work for Cracow based Team for AVPS Insights
 - Design, Development, Work Planning, Proof of Concepts Implementation for Models Next
 - Technical Advisor for Cloud and Container Related Technologies
 - Architecture Design, Costs Cutting, Work Efficiency Improvements Calculations, ROI Calculations for ModelsNext
 - Cooperation with Dallas, Washington D.C., Bengaluru on key initiatives
 - Scrum Master – Building Self Organizing Teams
 - Technologies:
 - Containers: Docker, Kubernetes / OpenShift
 - Cloud: AWS EC2 / VPC / ELB / Route 53 / S3 / EFS
 - Backend: Spring Boot, Apache Hadoop, Apache Yarn, Apache Spark, Java
 - Frontend: JavaScript ES6, ReactJS, Redux, Webpack, NPM, Mocha, SinonJS, Babel
- ▶ Team Lead Software Developer - 01 Apr 2017 – 31 August 2019
 - Role Summary:

As a Team Lead Software Developer, I was helping the Team with achieving short-term and long-term goals on both technical and work organization level. I was working closely with Architects and Product Owners to gather priorities and business/technical requirements for

functionalities that are being build. I was educating the team on code quality and advising on technologies.

- Key Projects:
 - AVPS Insights – Airline Market Data Analysis and Visualizations
 - ModelsNext – Dynamically Scalable, Highly Available, Fault Tolerant, Service Oriented Architecture for AVPS Models
 - Automatic System for Issue Prioritization – 3rd place on Sabre Hackday, Naive Bayes Classifier and Prioritization System for Issues Reported by Customers

- Responsibilities:
 - Team Lead for Cracow based Team for AVPS Insights
 - Technical Advisor for Cloud Related Technologies
 - Cooperation with Dallas, Washington D.C., Toronto, Bengaluru on key initiatives
 - Scrum Master – Building Self Organizing Teams

- Technologies:
 - Cloud: AWS EC2 / VPC / ELB / Route 53 / S3 / EFS
 - Backend: Spring Boot, Apache Hadoop, Apache Spark, Java
 - Frontend: JavaScript ES6, ReactJS, Redux, Webpack, NPM, Mocha, SinonJS, Babel

- ▶ Senior Software Developer - 01 Aug 2015 - 31 Mar 2017
 - Role Summary:

As a Senior Software Developer, I was responsible for implementation of Enhancements and Bugfixes for new and existing projects of AVPS family. I was working closely with other Team Members and I was helping them with creating easy to understand and maintainable code that is aligned with quality standards.

 - Key Projects:
 - AVPS Models Lab – Platform for Models Spike Creation and Testing in C++, Java, R
 - Enhanced Robust Operational Aircraft Routing – Integrating Integer Programming Model for Rotation Optimization
 - User Defined Reporting – Automatic Reporting with Excel Integration for Airline Data
 - Flight Delay Predictor – 1st place on Sabre Hackday, Statistical Model for predicting Flight Delays based on historical data

 - Responsibilities:

- Lead for Flight Delay Predictor Team
- Lead for AVPS Models Lab
- End-to-end Implementation of AVPS Models Lab
- Implementation and Integration of Enhancements and Bugfixes for AVPS Products
- Technologies:
 - Backend: Spring Boot, Apache Hadoop, Apache Spark, SparkJava, Java SE/Java EE, EJB, RMI, Wildfly, Oracle 12g Database, IBM ILOG CPLEX, SVN, JUnit, EasyMock, Mockito
 - Frontend: HTML, CSS, jQuery, Java Swing, Java FX, NetBeans Platform
- ▶ Contributor Software Developer - 01 Jul 2013 - 31 Jul 2015
 - Role Summary:

As Contributor Software Developer, I was responsible for providing necessary help during implementation of new features and bugfixes for Core Runtime parts for AVPS projects. I was also responsible for Models implementation for AVPS Fleet Manager.
 - Key Projects:
 - Rotation Quality Metrics Improvements – Heuristic Algorithm for Rotation Optimization
 - Multiple Solutions Reporting Implementation – Ability to report on data for multiple Integer Solutions
 - Input Schedule Violations Implementation – Ability to Measure Input Schedule Rules Violations Level
 - AVPS System Runtime – Tracing, Monitoring, Debugging Capabilities
 - Responsibilities:
 - Implementation of Rotation Quality Metrics Improvements
 - Implementation of Multiple Solutions Reporting
 - Implementation of Input Schedule Violations
 - Enhancements & Bugfixes for AVPS Product Family
 - Technologies:
 - Backend: Java SE/Java EE, EJB, RMI, JBoss, Oracle 12g Database, IBM ILOG CPLEX, SVN, JUnit, EasyMock, Kibana, Elasticsearch
 - Frontend: Java Swing, Java FX, NetBeans Platform
- ▶ Associate Software Developer - 01 Oct 2012 - 30 Jun 2013
 - Role Summary:

As Associate Software Developer, I was part of the team responsible for implementation of AVPS Fleet Manager related bugfixes and new enhancements.

- Key Projects:
 - AVPS Fleet Manager Spill and Recapture Model – Enhancements Implementation for overbooking model
 - AVPS Fleet Manager – Fleet Assignment Model – Enhancements for Integer Programming Model for IBM ILOG CPLEX that solves Fleet Assignment Optimization Problem
 - AVPS Fleet Manager – Economic Data Generator – Enhancements for Mathematical Model that creates Revenues, Costs Calculations for Airlines Schedules based on Aircraft Configurations and Forecasted Demand Data
- Responsibilities:
 - Enhancements / Bugfixes for existing functionalities
 - Linear/Integer Programming – Mathematical Model Analysis and Implementation
- Technologies:
 - Backend: Java SE/Java EE, EJB, RMI, JBoss, Oracle 11g Database, IBM ILOG CPLEX, SVN, JUnit, EasyMock
 - Frontend: Java Swing, Java FX, NetBeans Platform

01 Oct 2008 - 30 Sep 2012: Syriusz sp. z o.o. - Rzeszow

4 years

▶ System Software Developer - 01 Oct 2008 - 30 Sep 2012

- Role Summary:

As a System Software Developer, I was responsible for End-To-End Development of Syriusz Company products, including implementation of integration with external systems.
- Key Projects:
 - Hermes
 - Hermes EDI (Electronic Data Interchange)
 - eHermes
 - Harmonia
- Responsibilities:
 - Warehouses System Development
 - B2B System Development
 - Invoice Exchange Systems Integration
 - Production Control Systems Development

- Technologies:
 - Backend: C++, Delphi, PHP, FirebirdSQL
 - Frontend: HTML, CSS, jQuery, Delphi VCL

CERTIFICATION

- ▶ AWS Certified Solutions Architect – Associate
- ▶ Scrum Alliance Certified ScrumMaster

EDUCATION

01 Apr 2010 - 31 Jul 2011

1.5 year

University of Information Technology and Management in Rzeszow

- ▶ Degree: Master of Science
- ▶ Specialization: Software Development Technologies

01 Oct 2006 - 31 Mar 2010

3.5 year

University of Information Technology and Management in Rzeszow

- ▶ Degree: Bachelor of Engineering
- ▶ Specialization: Software Engineering

FOREIGN LANGUAGES

- ▶ Very good knowledge of spoken and written English that allows to:
 - communicate freely verbally, using Mail, IM
 - read technical documentation / books