

C U R R I C U L U M V I T A E

Name and Surname: M A R E K B R A N I C K Ý **Title:** Ing.
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- I am experienced in implementation and integration of financial systems, from area of mortgage processing, micro-loans, management of frauds etc. I've been mainly involved in building of back-end systems, but I've got experience with UI too. I enjoy functional discussions with project team members as well as technical talks with my colleagues.
- From a technical point of view I have practical experience in creating and deploying web services (Spring WS), in processing and analysis of textual data, in integration of programming components (Spring Integration), implementation of business logic (Drools), transformation and mapping of data etc. I always believed in effective and optimized solutions, and I love the details.
- One of the challenging project was the management system of personal loans, including sales of related financial products and insurance. I was a part of a team of 6 programmers, 5 domain experts and a technical architect. I had a major role in the creation of a central module of the system.
- My current assignment and so far the most challenging project is the creation and implementation of a brand new product for the current client's business template designer. We work as a team of 6 people where I am the project lead. The product was developed from scratch and currently is in its first generally available version.

Personal

Languages - Slovak native, Czech fluent, English fluent, German basic

Education

M.Sc. Degree in Materials Science, finished 2000

Slovak Technical University Bratislava, Materials Science Faculty in Trnava, specialization in management of industrial enterprises.

Certificates

- 2019 – M220J: MongoDB for Java Developers
- 2019 – UDEMY Understanding TypeScript
- 2019 – UDEMY Introduction to TypeScript
- 2018 – UDEMY Vue JS 2 - The Complete Guide (incl. Vue Router and Vuex)
- 2015 – UDEMY Angular Custom Directives
- 2015 – UDEMY Angular JumStart
- 2014 – M101J: MongoDB for Java Developers
- 2013 – Oracle Java SE 6 Programmer Certified Professional
- 2013 – Scrum Alliance – Certified Scrum Master
- 2011 – Use your qualities and differences in communication
- 2006 – Application Testing, J2EE Basics
- 2005 – Coaching in the Workplace, Leadership Skills for New Supervisors
- 2004 – Object oriented analysis and design in UML
- 2003 – Web applications - HTML, Servlets and Java Server Pages
- 2002 – Java and database applications, Java Database Connectivity (JDBC)

Technical skills

Programming languages / technologies – 1 beginner – 5 expert

Java[5], Scala[1], J2EE[4], Hibernate[4], Spring[4], , Vaadin[1], SQL[4], GWT[4], SmartGWT[4], IceFaces[3], JSF[3], JSP[5], Swing[3], JUnit[4], Mockito[3], HTML[4], XML[5], CSS[4], XSLT[2], JQuery[2], Groovy[4], Grails[4], Drools[3], WebDAV[3], JCR[2], Apache JackRabbit[2], VueJS2[5], TypeScript[4], Cypress[3]

Tools

IntelliJ IDEA[4], Jira[3], Eclipse[2], SVN[3], Git[3], Maven[4], Jenkins[3], Selenium[3], Vite, Webpack, Vitest, Jest

Application servers

Tomcat[4], IBM WebSphere[3], Jetty[3]

Database systems

MS SQL[4], PostgreSQL[3], H2[3], MySQL[4], Mongo[2]

Methodologies and Techniques

OOP[4], Design Patterns[3], UML[3], Scrum[3], Agile[3]

Projects

November 2014 – present – at INFINICA SLOVAKIA s.r.o

Product – **Business Designer** (2019/04–present), customer – **Infinica G.m.b.H**

Implementation of the visual designer for creation of text/graphical templates, which are a blueprint for the manually or automatically generated documents.

Responsibilities – implementation, unit testing, end-to-end testing

Experience with – VueJS 2, Jest, Vuex, Cypress, Typescript, Java 11, Spring Boot

Product – **ICR Platform Consolidation and Extension** (2014/11–2019/04), customer - **Porsche Informatik Gesellschaft.m.b.H.**

Technical analysis and implementation of WebDAV specification for internal custom solution with customer oriented extensions. The goal is to implement the required set of methods to provide a solid solution for Content Repository. The implementation is based on core Apache JackRabbit API and handfull set of custom extentions in order to support internal or external projects/products.

Responsibilities - technical analysis, implementation, unit testing

Experience with – Java 7, JUnit, Tomcat 8, Scrum, Apache JackRabbit, WebDAV

August 2008 – October 2014 – at Davinci Software, s.r.o

Project - **HDN Maintenance Tool** (2014/05–2014/10), customer - **Hypotheken Data Networkk**

I was the lead developer and technical advisor responsible for overall architecture of the solution, from domain model through data model and web services. I was also responsible for code quality and test coverage. The project goal was to implement an intelligent tool for creation and maintenance of internal HDN communication protocols. This covers also security, rule engine and workflows.

Responsibilities - architecture, technical analysis, implementation, testing

Experience with - GWT, Java, Spring, Hibernate, JUnit, Mockito, MS SQL 2008, Tomcat 8, Selenium, Scrum

Project - **NNB** (2013/02–2014/05), customer - **Nationale-Nederlanden Bank**

I was responsible for implementation of MidOffice application (GWT and GWTP), client and server side parts. This application is used by bank to manage the workflow of personal loans

Responsibilities - technical analysis, implementation, testing

Experience with - GWT, Java, Spring, Hibernate, IBM WebSphere, JUnit, Mockito, MS SQL 2008, Selenium, Scrum

Project - **FREO DocumentStreet** (2012/10–2013/01), customer - **De Lage Landen (Rabo Bank)**

GWT web application with Spring backend. Very similar to DTA ShowCase with some added business intelligence in backend.

Responsibilities - technical analysis, implementation, testing

Experience with - GWT, Java, Spring, Hibernate, JQuery, JUnit, Mockito, MS SQL 2008 Selenium, Scrum, UML

Project - **VW PFS POS** (2011/08–2012/09), customer - **Volkswagen Bank PFS**

In **Phase 1** I was responsible for implementing backend web service to get car data from database based on 20 different criteria in fast and efficient way. I've also implemented a dispatcher backed module to coordinate web service calls between car data, product packages and insurance web services. In **Phase 2** my primary responsibility was to regularly implement Canonical Domain Model changes and to implement DossierService. The major technical challenge was to find a way how to fast and reliably map XML data to domain model. Including CRUDS operations. I was also involved in mid office web application.

Responsibilities - technical analysis, implementation, testing

Experience with - GWT, Java, Spring, Hibernate, JQuery, JUnit, Mockito, MS SQL 2008, Selenium, Scrum, UML

Project – **XMLTreeView** (2011/06–2011/07), customer - **Davinci**

GWT component used to be a JavaScript plugin to hosting systems. It enables to load, edit, search and present XML in fancy way. This plugin was used for instance in FPS.

Responsibilities - architecture, technical analysis, implementation, testing

Experience with - GWT

Project - **DTA ShowCase** (2010/12–2011/05), customer - **Davinci**

SmartGWT web application with Grails backend, which is kind of presentation/testing tool for internal product called DTA (Document Text Analyzer). It enables to create dossiers, upload documents (drag&drop), process documents in DTA (by one or in batch) and present the results in different ways.

Responsibilities - architecture, technical analysis, implementation

Experience with - SmartGWT, Java, Groovy, Grails, Spock, MS SQL 2008, Jira

Project - **AfterPay** (2010/07–2010/11), customer - **Afterpay**

SmartGWT web application with Grails backend, supposed to be a management tool for a company settled in consumer finance market in Romania. The application operates over extensive business domain model of Afterpay. It's main purpose was to have a tool for managing all requests for micro loans, scheduled and finished payments, delivered goods and others. The main technical challenge was to implement complex yet effective search over large amount of data.

Responsibilities - technical analysis, implementation, testing

Experience with - SmartGWT, Java, Groovy, Grails, Spock, MS SQL 2008, Jira

Project - **Fraud Protection System - BRE** (2009/11–2010/06), customer - **Aegon, Obvion**

FPS BRE is an OSGi oriented backend system running inside SpringDM server. It's primary focus is to process large volumes of mortgage request messages, let them analyze by business rules implemented by JBoss Rules (Drools) and store them in database in structural way. The BRE is multithreaded, so it's able to process defined number of requests in parallel.

Responsibilities - technical analysis, architecture, implementation, testing

Experience with - Java, Spring, Hibernate, JUnit, Mockito, PostgreSQL, MS SQL 2008, Jira

Project - **SelectionTool** (2009/06–2009/10), customer - **Davinci Groep**

GWT web application used for visual building of simple and complex SQL queries. Uses GWT widgets to compose the user interface and Spring to manage backend system.

Responsibilities - implementation, testing

Experience with - Java, GWT, Hibernate, JUnit, Spring, MS SQL 2005

Project - **TENDATA** (2009/04–2009/05), customer - **Davinci Groep**

Java Swing desktop application used for database cleaning and de-duplication of customer data. Uses different algorithms for analyzing strings, regular expressions and phonemes. This application was meant as product, which can be offered to different customers.

Responsibilities - implementation, testing

Experience with - Java, Swing, JDBC, JUnit, PostgreSQL

Project - **IPKD** (2008/08–2009/03), customer - **Interdepartementale Post en Koeriersdienst**

IceFaces based web application dedicated to create, plan, maintain and manage package delivery requests between different Dutch government organizations and ministries in country as well as internationally.

Responsibilities - architecture, technical analysis, implementation, testing

Experience with - IceFaces, Java, Hibernate, Spring, MySQL, JUnit, Tomcat, SVN

2005 – July 2008 – at Accenture Technology Solutions, Bratislava

Project - **MECHA**(2006/02–2008/07), customer - **Mitsubishi Netherlands**

Responsibility for CarConfigurator web application.

Responsibilities - maintenance of application, technical and procedural support.

Experience with - Java, Java Mail, Java Servlets, WebSphere Application, MS SQL 2000

Project - **Skill Matrix** (2005/09–2006/01), customer - **Accenture**

Internal web application for managing employee's personal skills and experiences.

Responsibilities - implementation, testing

Experience with - Java SE 5.0, JDBC, Java Mail API, Java Servlets, JavaScript, AJAX, Java Server Page, Struts, CSV,

Eclipse IDE

2000 – 2005 – at ŽOS Trnava, a.s.

Responsibilities - Design and implementation of training program for internal staff. Creation and maintenance of documentation, manuals and guides for internal systems. Implementation of internal training booking system. Software and small hardware incidents solving.

Experience with - Java SE 1.4, Java Swing, JDBC, Java Mail API, Java Servlets, Tomcat Server 5.x, MS SQL 2000, Informix DB server, JBuilder IDE, JForm Designer 2.x