# **ZOLTÁN MARIĆ**

## **SOFTWARE ENGINEER**



I am 27, currently an Enterprise Java developer with 3 years of experience, but I am willing to switch away from Java in my new career if necessarv

Above all, I am interested in working on projects that intrigue me. These are some key intriguing challenging algorithms, technologies, a "make the world a better place" work domain.

You can find out more about me by following the

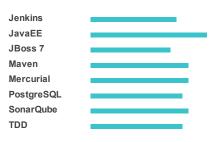






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## SKILLS



## LANGUAGES

I am bilingual (Croatian and Hungarian). My English is also exceptional, largely due to the fact that I finished an international high school, where all the courses were held in English.

I've studied Portuguese ever since getting a huge head start in learning it during my stay in Brazil.

Croatian English Hungarian



#### REFERENCES

References are available on request. Meanwhile, you can see how I think on StackOverflow.

#### **NOTABLE PROJECTS**

ADS-B PROBA-V at Amphinicy Technologies as lead developer, Oct 2012 - Dec 2013

A prototype project for air traffic tracking via satellite receivers. Amphinicy was in charge of the entire ground solution. This included real-time decoding and persisting of air traffic data, encoded in various formats by terrestrial and satellite receivers, and generating reports based on performance comparison of terrestrial vs. in-orbit receivers.

Responsibilities: Implementing decoders with thorough unit testing. Implementing efficient report generation logic by leveraging advanced DB queries. Implementing report presentation logic. Tight cooperation with the customer.

Technologies: JUnit/EasyMock; PostgreSQL/PostGIS; JasperReports; JBoss7: remoting, HornetQ; REST; JSON; Java Executor Framework, Guava, Hibernate, Maven, Mercurial, Jenkins, SonarQube, Redmine

MUSCADE at Amphinicy Technologies as lead developer, Jan 2011 - Dec 2012

A prototype multimedia platform delivering interactive 3DTV content broadcast via satellite. The solution included server side, set top box and mobile device software and 3DTV games.

Responsibilities: Implementing set-top box OSGi components for content fetching, caching and application lifecycle control. Implementing a rich mobile controller application. Implementing a 3D EPG for display on 3D TVs. Implementing backing web services. Agile project management. Technology and feature consulting.

Technologies: Java, OSGi, OpenGL, jMonkeyEngine, Android, JSF 2.0, XSLT, C#, C++, UPnP, NASA World Wind, Blender, Maven, SVN, Jenkins, GForge

## **WORK EXPERIENCE**

**Amphinicy Technologies** 

Software Engineer Jan 2011 - Present Zagreb, Croatia

**PUC Campinas** 

**University Assistant Intern** Oct 2010 - Dec 2010 Campinas, SP, Brazil

Sandpiper Beach Club

Front Desk Attendant Jul 2010 - Sep 2010 Cape May, NJ, USA

#### **EDUCATION**

University of Zagreb

Computer Engineering M. Sc. 2008 - 2010 B Sc 2005 - 2008

M. Sc. thesis in GPGPU-enabled HD video encoding: "Implementation and Optimisation of Intra-Frame Prediction in the H.264 Standard"

B. Sc. thesis in computer graphics: "Simulation of Fracturing a Brittle Object". Notable courses: Multimedia Architectures, Distributed Software Development,

Object-oriented Programming, Machine Learning, Discrete Mathematics

#### **ABOUT**

#### Professional Interests

I wish to work in an environment that can afford to produce high quality software; and one that holds this practice in high esteem. I admire - and practise - test driven development and, more importantly, design for testability.

At home I prefer quick prototyping, for which I use Ruby and Rails. This enables me to quickly implement any spontaneous idea that pops into my mind.

#### Personal Interests

There are very few things that I do not find interesting. Perhaps my most keen interest and life goal lies in sustainability and the environment. In the long term, I wish to take significant part in designing solutions that reduce the degrading impact of civilisation on the environment.

Besides this, I am passionate about linguistics, etymology and music.

#### Added Value

I avoid starting work on a task before having a sufficient comprehension of the big picture. This gives me a pragmatic approach to problem solving, allowing more accurate estimation and balance between the quality and feasibility of a

My wit and positive attitude inspire a good mood and a pleasant ambiance with co-workers. This induces an additional sense of cohesion in teams I take part in.