Albert Nagy Matyas

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About Me

likes

java spring tdd
selenium jquery ci
less/scss cdi maven
python nosql c++
opencv ubuntu
eclipse javascript

wishlist

nodejs angularjs
scala ror

I am a developer who:

- *pursues challenges and is eager to learn new technologies*
- *likes to get a good grip on how stuff works*
- *finds interesting getting to the bottom of problems*
- *is passionate about his job and gets really involved*
- *hacks on small projects in his free time*

That being said, I am currently looking for a startup -ish work environment where I would have the opportunity to work along like-minded developers with great technical skills to share knowledge and develop an interesting product.

Willing to relocate to: Germany, United Kingdom, Switzerland, France

Experience

java-ee-6 jsf
primefaces tdd
selenium jquery less
cdi glassfish-3
oracle11g intellij-idea
maven svn tdd jaxb
jms jmx glassfish
dozer hibernate

JEE6 Developer - *BMW*

November 2012 - August 2013
Munich, Germany

I have managed to integrate into the ongoing **web-based sales platform** project with ease. I saw this job as a great opportunity to learn about the technologies outlined on the left, and how such a large scale **SCRUMM** project - that is about to have a public API for other clients - is structured and developed.

Although I have worked on many tasks regarding **@EJB** services **JMS**, my field of expertise was more related to the webapp part, where I have built deep understanding of how **CDI** and **JSF / primefaces** work.

Besides the day-to-day business related user-stories we were working on, I was more than happy to create project wide solutions for problems all of us faced or that would enhance the quality of the project. These were highly appreciated by colleagues, just as some of my larger refactoring / restructuring proposals in the webapp which we as a team carried out.

Since we had a "no-tester" policy, everything had to be heavily tested using integration and **selenium** test. Code quality and coverage were a must, a requirement that I easily met by following the **TDD red-green-refactor** principle.

Though the project was on going I free willingly left in seek of a less corporateish workplace.

java spring neo4j jsp
flex jquery aspectJ
aop jenkins tdd
sonar nexus maven
svn linux

Spring Developer - *Pentalog*

September 2011 - November 2012
Cluj Napoca, Romania

Working on a five people project I was responsible for designing and implementing the back-end of a CRM application for touch devices using **spring**, **neo4j** and **flex**.

Besides the service implementation - where we successfully used custom **AOP** approaches - we had to find interesting approaches for storage design, that is because we worked with a graph based DB (**neo4j**), and the app should have taken advantage of it.

Although the frontend consisted of **Flex**, I got to work on develop with **jsp**, **jquery** and **css** as well for the admin part of the application.

Along the application development I set up a **continuous integration** environment (**nexus**, **jenkins**, **sonar**) on the remote linux machine, for the team to provide us fast feedback on stability and quality, which I have found very helpful.

Starting from May 2012, I have completed a **Flex** self-training course, and began working on the frontend of the application, dipping my toes in the challenges of UI design and development. This experience taught me a lot about **interactive UI programming**, most of which knowledge is applicable both in the rich world of **html5** & **javascript**.

My most notable contributions on the frontend side were defining structural patterns that we should follow and reimplementing a custom **gesture detection** mechanism, since the one provided by the framework did not fit our needs.

Alongside the project work, I have been assigned to **coach interns** in **java**, **spring**, **html5**, **jquery** and **css**.

java   vaadin

google-app-engine   c#

asp.net-mvc   ngunit

selenium-rc

windows-azure

Cloud Computing Intern - *Pentalog*
June 2010 - October 2010
Brasov, Romania

I have been testdriving cloud computing solutions:

- Windows Azure
- Google App Engine
- Amazon Web Services (& Eucalyptus)

That meant developing Proof of concept applications on these platforms using mainly **Java** and **C# .NET** technologies.

My biggest contribution was a contest platform application developed on top of **Google App Engine** using **Java** and **Vaadin** as the UI kit. It featured a multilanguage CMS with authentication for contestants, who could upload contest entries that were then ranked by the administrators.

For this webapp I created a desktop counterpart, using which anyone could:

- easily deploy any number of apps in the cloud
- thoroughly UI test it (using **selenium**)
- migrate data from one deployment to the other

At the end of my internship I held two presentations for project managers at Brasov (RO) & Chisinau (MD) about:

- cloud computing
- test driven development & selenium
- Sonar.

Education

java   c++   python

openCV   fann

machine-learning

data-mining   qt4

object-tracking

natural language
processing

Masters in CS Artificial Intelligence
2009 - 2011

Faculty of Mathematics and Computer Sciences at the **University of Bucharest**

My notable university projects were:

- *tracktor:* My dissertation project, that presented three different methodologies of realtime object tracking. The application was implemented in **c++** using **openCV Qt4** and **FANN**
- *rendr:* A raytracer application written in **c++** for rendering 3D scenery written from scratch, using **Qt4** for its UI.

Bachelors in CS
2006 - 2009

Faculty of Mathematics and Computer Sciences at the **University of Bucharest**

Freelancer Projects

Projects below, if not mentioned otherwise were implemented for clients. For me, they always represented ways to develop myself, to try out technologies that I did not have the opportunity to work with at first during my studies, than later at work.

python javascript
twitter-bootstrap
require-js html5 scss
transparency-js

ferdinandmotel.appspot.com
July 2012 - June 2013
github.com/albertmatyi/motelferdinand

A i18ned CMS and booking site for a pension deployable on appengine

python jquery
underscore-js
twitter-bootstrap scss

anabellaveress.com
April 2012 - July 2012
github.com/albertmatyi/flaskgaellery

An image gallery based on flask deployable on Google AppEngine

ruby-on-rails jquery
twitter-bootstrap css
heroku

stopponline.herokuapp.com
February 2012 - March 2012
github.com/albertmatyi/stopponline

A personal project to try out **Ruby-on-Rails** that got put on hold ever since, because of other projects. The development of this project followed the guidlines of railstutorial.org.

java swt rcp
datanucleus

medisoft2
January 2011 - March 2011

Desktop application for pacient management

appengine java
vaadin

naplo
October 2010 - December 2010

Online register of students, with the possibility to save marks, abscenses, summary for semesters.

java vaadin
datanucleus

medisoft
July 2010 - October 2010

An intranet software for pacient management at a local clinic

cakephp mysql xhtml
jquery css

cactusclone.ro
November 2009 - July 2010

Multilingual online clothing shop with ordering and stock management. Was taken down after two years of operation.

java-me

pitchin
May 2009
code.google.com/p/pitchin

I have created a mobile phone based metronome / tone generator from scratch for my brother, and later published it on Google Code. (it has got 3800+ downloads)

php mysql css
javascript

naromed
January 2007 - May 2007

Intraweb application for patient management.

php mysql javascript
css

jobdetector
September 2006 - June 2008

A british recruiting webapplication which eventually did not get launched, that features job listings for companies, resume creation for job seekers and applications.

Active on

Stack Overflow

Written 146 answers. Active in javascript, jquery and java with 3066 reputation points.

GitHub

Though at work I used SVN more, I personally prefer git.

Miscellaneous

Language	Level	CEFR	OSs	
Hungarian	Native	C2	Ubuntu (preferred)	2006 - Present
Romanian	Professional	C2	Windows	2001 - Present
English	Professional (CAE)	C2	**Editors (IDEs)**	
German	Basic	B1	Eclipse	2007 - 2013
French	Beginner	A1	IntelliJ	2013 - Present
			Sublime-text	2012 - Present

Driving licence

A, B