



Albert Nagy Matyas

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

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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

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 above mentioned technologies, 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** works.

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 implemented.

Since we had a "no-tester" policy, everything was heavily tested using integration and selenium test. Code quality and coverage was a must which 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

Spring Developer - Pentalog

Working on a 5 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) 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 started 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 html & js.

My most notable contributions on the frontend side were defining structural patterns that we should use and reimplementing a custom gesture detection mechanism, because 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*

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 an 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 Webdriver)
- 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

Faculty of Mathematics and Computer Sciences @ 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 c++ for rendering 3D scenery written from scratch, using Qt4 for its UI.

Bachelors in CS

Faculty of Mathematics and Computer Sciences @ 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

python jquery
underscore-js
twitter-bootstrap scss

ruby-on-rails jquery
twitter-bootstrap css
heroku

java swt rcp
datanucleus

appengine java
vaadin

java vaadin
datanucleus

cakephp mysql xhtml
jquery css

java-me

php mysql css
javascript

php mysql javascript
css

ferdinandmotel.appspot.com

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

anabellaveress.com

An image gallery based on flask deployable on Google Appengine

stopponline.herokuapp.com

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 guidelines of railstutorial.org.

medisoft2

Desktop application for patient management

naplo

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

medisoft

An intranet software for patient management at a local clinic

cactusclone.ro

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

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)

naromed

Intraweb application for patient management.

jobdetector

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				