

Pavel Makhov

Software Developer

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📖 /streetturtle (http://stackoverflow.com/users/1252056/streetturtle)

Career

Java/Alfresco Developer

September 2014 - current
CERN (Geneva, Switzerland)

I take part in the development of business critical eFiles document management system based on open source solution - Alfresco – the market leader in records management. One of my projects is e-Personnel – CMS system. I work in a small team of three; development is performed using agile software development with Scrum. As an Alfresco developer I work on extending and customizing Alfresco, which is needed since out of the box solutions of Alfresco do not provide enough functionality for CERN needs. Through this project, I have learned business processes of other teams, as we constantly work with CERN HR team, developing the way to link their needs with technical abilities of Alfresco software.

Selected accomplishments:

- Customization of server-side and client-side parts of Alfresco in correspondence to the organisation's internal processes and requirements.
- Integrating Alfresco with AppDynamics - application performance management system. This project consisted of setting up the AppDynamics and development of the monitoring extensions in order to provide metrics.

Software Developer

October 2012 – September 2014
CERN (Geneva, Switzerland)

I worked in GS-AIS-EB (Electronic Business) section for EDH (Electronic Document Handling) system, which covers many life aspects at CERN (such as absences, HR & Training, purchasing, logistics and safety). In this role, I was developing EDH documents and improving functionality of existing ones. I worked in a team of 8-10 people; agile software development with Scrum was used for a development performance. One of the biggest and the most interesting project during this period was the development of CERN Hotel booking application. This activity included the work with Micros/Oracle consultant and Hotel's representatives.

Selected accomplishments:

- Migrating existing business processes from BPEL to BPMN.
- Modification of the Phone Request document in order to get the possibility to choose LYNC phone.
- Extending functionality of CERN Hotel web booking application (hostel.cern.ch). Main feature developed is the possibility to create a Waiting-List reservations in cases when no rooms were available for the given period, which was not supported by Fidelio. I was working closely with customers from Hotel as well as consultant from Micros/Oracle.
- 3rd Line support

Software Developer

While finishing the study at University I got a job at Probusinessbank in Moscow, one of TOP-50 banks in Russia. During my time there, I was responsible for several activities.

Selected accomplishments:

- Development of web-services communicating with external systems such as credit agencies, payment systems.
- Extending of the functionality of Mobile banking system, server-side part, which was the theme for my diploma project.
- Development of web-applications for internal bank needs.
- Development of Web-Service in order to generate PDF reports using XSL-FO transformations.

Technical skills

Backend

Java SE/EE

PL/SQL

Maven/Spring/JUnit

Frontend

AngularJS/JS

HTML/CSS/Bootstrap

Other

Linux

Regex

Other keywords: JSP, SOAP/REST, Alfresco, CMS, SOLR, Jekyll, YUI, BootStrap, Idea/Eclipse/Netbeans, Atlassian Tools, Ruby, Python, Lua, Erlang

Side Projects

Technical blog (<http://pavelmakhov.com>)

HTML/CSS/Bootstrap

My technical blog

jekyll-clean-dark (<https://github.com/streetturtle/jekyll-clean-dark>)

HTML/CSS/Bootstrap

Theme for Jekyll - static site generator. I created this theme for myself and then published it (<http://drjekyllthemes.github.io/>, <http://jekyllthemes.org/themes/jekyll-clean-dark/>) as a separate project.

number-writing-trainer (<http://pavelmakhov.com/number-writing-trainer/#/>)

AngularJS/HTML/CSS/Bootstrap

It is small app which helps with learning how to write foreign numbers. It's written in AngularJS, just to practice a bit language and syntax

🔗 Awesome WM widgets (<https://github.com/streetturtle/AwesomeWM>)

Lua/Python

Collection of widgets for the Awesome Window Manager for Linux. Written in Lua and Python.

🔗 AppDynamics Extensions (<https://github.com/streetturtle/AppDynamics-Extensions>)

Ruby/Bash

Several extensions for AppDynamics. They were developed because out-of-the-box extensions are written in Java and it was hard to maintain and customize them.

Education

National Research University of Electronic Technology miet.ru