

Dmitry Dolgov

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PROFESSIONAL PROFILE

A talented senior software engineer with a strong technical and mathematical background. I have deep experience in the designing, developing and deploying architectures and infrastructure for large-scale systems. Postgraduate of the numerical mathematics department (Kemerovo State University). Looking for suitable position for skills improvement and new experience.

CAREER SUMMARY

- 2014–date Senior Python developer, "Mindojo".
Involved in development of several important parts of adaptive online education platform, refactoring and improvement of legacy code, made big contribution into backend, frontend and devops solutions.
- 2013–2014 Lead python developer, "TopSoft".
I was creating from scratch the new modern social web-service "Temaretik", solving scalability and performance challenges in both backend and frontend sides, improving organization of development process (e.g. CI solution based on Jenkins).
- 2012–2013 Software engineer, LLC "DM Group(Direct)", Kemerovo.
My responsibility was developing multiple B2B modules for the Direct service with complex business logic and processes.
- 2010–2012 Software developer, LLC "Edison", Kemerovo.
I took part in successful development of multiple web services and programs for Windows and mobile platforms (iOS, Android). My another responsibility was providing a QA and security testing

EDUCATION

- 2012–date Postgraduate, KemSU, Kemerovo.
Specialty Mathematic modeling, numerical methods and program systems.
Postgraduate work is entitled "Fluid dynamics in heart valves".
This work is devoted to fluid flow modeling in heart valves using finite difference method of incomplete approximation of minimal residuals together with immersed boundary method.
- 2007–2012 Graduated mathematician-system programmer, KemSU, Kemerovo.
Specialty Applied mathematics and information science.
Graduate work is entitled "Wave diffraction over mobile and fixed bottom in different models of the shallow water".
Graduated from the university with honors.

SKILLS AND COMPETENCIES

Back-end	Django, PostgreSQL, MySQL, MongoDB, Redis, RabbitMQ, AWS
Front-end	JavaScript, CoffeScript, Backbone.js, AngularJS, Ember.js, d3.js
System programming	PostgreSQL extensions & patch development, Drivers for Windows
Programming languages	Python, C/C++, Haskell, Golang, C#, Bash
Tools	Vim, Git, IPython, Latex, Gdb, Jenkins, Ansible
OS	Linux (Gentoo, Ubuntu), Windows
Mathematics	Solving systems of nonlinear equations by different numerical methods. CFD.

PROJECTS

Mindojo	Platform for adaptive online education for both tutor and student sides (e.g. GMAT for The Economist Group, or CFA I for Bloomberg). Url: mindoyo.com
jsonbx	jsonbx extension for PostgreSQL 9.4, and corresponding patch for PostgreSQL 9.5
Temaretik	Modern social web-service. Url: http://temaretik.com/
XI	Console based jabber client, written in Haskell
The best commits	Web service for the analysis of the github commits and filtering the best of them. Url: www.thebestcommits.info
Team America hotels plugin	Plugin for automation system of hotels (Netstorming)
Direct	Internet service for the interaction of business with the buyers
Big Brother	Intranet system of automatic time tracking
Portal service	Application for service ordering on the iOS
RPGCity	GPS game for smartphones on the android platform
EFSIN	Internet service for institutions of the penitentiary system. Url: www.efsин.ru
Graduate work	Computational program to simulate the movement of waves