

# Dmitry Dolgov

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## PROFESSIONAL PROFILE

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. Contributor of PostgreSQL and member of the community, postgraduate of the numerical mathematics department (Kemerovo State University). Looking for suitable position for skills improvement and new experience.

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## CAREER SUMMARY

- 2017–date Senior Software Engineer, "Zalando".  
Responsible for internal CI/CD infrastructure, maintenance of applications in data centers, and development of new cloud native solutions on Kubernetes. Contributor of many open source projects from Zalando.
- 2014–2017 Senior Python developer, "Mindjo".  
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

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## SKILLS AND COMPETENCIES

- Back-end PostgreSQL, MySQL, Docker, Kubernetes, MongoDB, Redis, AWS, Django
- System programming PostgreSQL extensions & patch development, Kernel drivers
- Front-end JavaScript, CoffeeScript, Backbone.js, AngularJS, Ember.js, d3.js
- Programming languages Python, Clojure, C/C++, Haskell, Golang, Bash

Tools Vim, Git, IPython, Latex, Gdb, Ansible  
Mathematics Solving systems of nonlinear equations by different numerical methods.  
CFD.

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## 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.

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## 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: mindojo.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](http://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](http://www.efsин.ru)

Graduate work Computational program to simulate the movement of waves