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PROFESSIONAL PROFILE

Talented senior software engineer with a strong technical and mathematical background. Have deep experience in the designing, developing and deploying architectures and infrastructure for large-scale systems. Contributor of many open source projects, including PostgreSQL, Linux kernel and GHC. An active member of the PostgreSQL community and Haskell enthusiast.

CAREER SUMMARY

- 2017–date Senior Software Engineer, "Zalando".
Responsible for databases infrastructure (PostgreSQL) and performance optimization in different environments (DC, AWS, Kubernetes), including development of tools and services for this purpose. Previously was doing 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, "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

SKILLS AND COMPETENCIES

Backend	PostgreSQL, MySQL, Docker, Kubernetes, MongoDB, Redis, AWS, Django
System programming	PostgreSQL extensions & patch development, Kernel drivers
Programming languages	Python, C, Clojure, Haskell, Golang, Bash

Frontend	JavaScript, CoffeScript, AngularJS, Ember.js
Tools	Vim, Git, IPython, Latex, Gdb, Ansible
Mathematics	Solving systems of nonlinear equations by different numerical methods. CFD.

PROJECTS

patroni	A template for PostgreSQL High Availability
postgres-operator	Kubernetes operator for management of PostgreSQL clusters on Kubernetes
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
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)
Dinect	Internet service for the interaction of business with the buyers
Graduate work	Computational program to simulate the movement of waves

EDUCATION

2012–date	Postgraduate, KemSU, Kemerovo.
Specialty	<p>Mathematic modeling, numerical methods and program systems.</p> <p>Postgraduate work is entitled "Fluid dynamics in heart valves".</p> <p>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.</p>
2007–2012	Graduated mathematician-system programmer, KemSU, Kemerovo.
Specialty	<p>Applied mathematics and information science.</p> <p>Graduate work is entitled "Wave diffraction over mobile and fixed bottom in different models of the shallow water".</p> <p>Graduated from the university with honors.</p>