

Pavel Savinov

Software Engineer

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Highly skilled and highly motivated Software Engineer, MSc - Applied Mathematics and Informatics, with many years of self-education and professional experience. While having interest in the theoretical side of CS and Math, I also do like implementing things in practice. Strong scientific background and a couple of published scientific articles.

Currently I'm interested in highly available, distributed systems, also gaming related, blockchain, cryptocurrency, automotive, financial, educational, and other projects.

Personal Qualities: Leadership, fast learning, extensive vision, responsible, deep diving into subjects.

Professional Field: Currently I'm working with Python and Golang. I prefer to choose the right tools for the job whenever it is possible. I'm proficient with various databases, both SQL and NoSQL. I prefer PostgreSQL as a RDBMS. I have experience working with cloud infrastructure like Amazon AWS, Google Cloud Platform, Cloudflare (Workers). I have an extensive understanding of how things are working from high to low level. Extensive understanding of Linux, Windows, MacOS, proficiency with Bash. If I'm interested in something I'm trying to understand that thing top to bottom.

Languages: Russian (native), English (intermediate – B1)

Education:

2013 – 2017 BSc Applied Mathematics and Informatics @ Far Eastern Federal University; Coursework – Building traffic map of Vladivostok (Map Matching, Hidden Markov Model, Python, PostGIS, OpenStreetMap); Diploma – Asseto Corsa Deep Learning based Autopilot.

2017 – 2019 MSc Applied Mathematics and Informatics @ Far Eastern Federal University; Diploma – Restoring Car trajectory (drift angle) with iPhone via Sensor Fusion (Extended Kalman Filter, GPS, IMU, etc.)

Professional Experience:

September 2019 – July 2020 Far Eastern Federal University – Assistant Professor

As a part of teaching practice for my postgraduate program I was leading “Web development” and “Databases” courses. Lead several students from zero to junior. Actively used new education schemes like active education. As a guy from an industry, I have brought industry standard things like: PostgreSQL, Docker, Golang, Python, Git etc.

August 2018 - December 2018 Uton – Fullstack Developer

Was hired at startup for one project and was moved to another right after. Implemented most of the Backend for Frontend functionality of a highly available, scalable service with Golang for Cryptocurrency Exchange, also was developing the frontend part with Angular. I had believed in that project until the very end, when the owner had stopped getting in contact.

Keywords: Angular, Golang, Docker, Kubernetes, NATS, PostgreSQL, Git, High Availability, Cryptocurrency

October 2017 – March 2018 7glyphs – Backend Developer

Implemented highly effective Facebook integration, especially for events which were using Web Hooks and API queries. Was only backend developer at the time, had implemented Backend from scratch for Event Aggregator.

Keywords: Laravel, Docker, Git, PHP, PostgreSQL, Redis, RabbitMQ

September 2017 – October 2017 2k-line – Full stack Developer

Was hired to a project that was aimed to help buy used cars. After a month the project was closed, I was supposed to refill printers and stuff. We haven't found a solution with the Business Owner so we decided I will quit. I had implemented a drag and drop form constructor and form itself using Angular. It was effective in terms of performance and styling (printable).

Keywords: Laravel, Angular, Docker, Kubernetes, Zend Expressive, PostgreSQL, Git.

January 2016 – May 2018 FEIP – Backend Developer

Refactored a huge part of a legacy PHP application (Backend for courier outsourcing application, like Uber Eats) into Laravel framework. Also supporting legacy PHP applications. Optimized courier match algorithm from a couple of minutes runtime to a couple of seconds. Was kind of a leading team of several developers – Frontend, Mobile (iOS, Android). At a later period, I was doing a part-time job. Leading technical interviews.

Keywords: PHP, MySQL, PostgreSQL, Docker, Python, Laravel, Golang.

April 2011 – August 2013 Vinaes Code – Software Engineer

Built platform backend from scratch, that was integrated with vBulletin forum. Also built an admin dashboard. Implemented authorization and content delivery TCP server with Java. Was doing Reverse Engineering.

Keywords: PHP, Java, Reverse Engineering, C++, WebSockets, Redis, RabbitMQ.

Achievements:

Special Nomination @ Vladivostok Hackathon #1 (2013)

Were nominated by FarPost for our Event Aggregator which was collecting data from VK social network.

2nd place @ Vladivostok Hackathon #2 (2015)

Were a team leader of a team of 5 guys (with myself) – Android developer, iOS developer, Designers. We were doing a Food Aggregator app.

Top 25 @ Kaspersky Zero-Nights CTF (2015)

Did a couple of tasks, which was my first and last CTF experience since I'm more into real world applications.

Vulnerabilities Reporter

Reported many vulnerabilities (some were quite critical), and a couple of reports were rewarded.

Twitch Affiliate

Was quite hard to get this (and to feel comfortable speaking and being on camera) and to build trust with other streamers, for which I was doing helpful software for some time.