

# Danil Agafonov

Staff Software Engineer with 15 years of experience

Vancouver, Canada | [i@danil.codes](mailto:i@danil.codes), +1 (236) 515-5619 | Bachelor's degree in Computer Science | English (Full Professional Proficiency) | <https://www.linkedin.com/in/danil-agafonov/>

## Professional experience

**Diligent (previously known as ACL dba Galvanize) • Staff Software Engineer** 2019 to Present

- Over the years designed and built various solutions using **serverless** tools on **AWS** with a focus on performance and scalability: multi-region deployment, hundreds of thousands online users.
- Established enterprise-wide patterns for event-driven architecture, solving fundamental **distributed systems** challenges and accelerating team adoption.
- Actively participated in building Vancouver's office technical excellence in cloud computing and serverless architecture: conducted knowledge sharing sessions, prepared many presentations.
- Designed and built foundational services (APIs and SDKs) which are used by many teams (**platform engineering**). Biggest achievement: enabled transformation from a bunch of independent apps to a single platform which led to an increase in sales.
- Led a technological transformation from monolithic service-oriented architecture to serverless which affected many aspects - decreased cost of hiring, cost of development and cost of infrastructure.
- Championed defensive architecture practices resulting in near-zero bugs in production systems.
- Reduced operational costs by \$100,000+ annually through infrastructure optimization.
- Working in global environment (4+ offices around the globe): got experience with aligning people and driving asynchronous communications.
- Interviewing (20+ interviews) and mentoring.

Keywords: AWS (ECS, EC2, CloudWatch, IAM, Lambda, S3, RDS, CodePipeline + CodeBuild, API Gateway, SQS, SNS, EventBridge, DynamoDB, SSM Parameter Store, SES, etc.), Terraform, JavaScript/TypeScript (for microservices and front-end), Node.js, Ruby on Rails, Rspec, React.js, PostgreSQL, Redis, Elasticsearch, Linux, Docker, Kubernetes, GitOps, DevOps, CI/CD, Observability.

**Flatstack LLC • Lead Frontend Developer** 2017 to 2019

- leading/designing/developing/refactoring/launching 9+ projects (from scratch to production);
- direct communication with customers;
- training employees of the department in Frontend development + managing the Frontend Internships (trainer);
- leadership in projects;
- participation in the recruitment and hiring processes;
- supervising architecture, code and development process of projects.

Stack: React.js, Vue.js, Angular, sometimes Ruby On Rails (Asset Pipeline, SLIM/HAML) + SCSS + jQuery.

**Kazan Federal University and Innopolis lyceum • Teacher (Programming courses for kids)** 2015 to 2016

The university administration invited me to teach web programming courses for children. A high level of expertise was required to ensure I would share reliable knowledge. It was a series of workshops spread throughout the year covering HTML, CSS, and PHP. I prepared a training program and used it twice: first for the university-based series of courses and then at Innopolis Lyceum.

Throughout the years, I've worked as a solo practitioner, developing projects and products from ground zero to production. I have gained extensive experience, including strong communication skills (working with businesses, understanding end-user needs, and direct customer communication), SEO, social media management, and robust technical skills (handling everything from architecture, infrastructure, back-end, front-end, and deployment to documentation independently). This work has also developed my discipline and resilience.

List of technologies I have used through the years: PHP frameworks and CMS (Phalcon, Kohana Framework, Yii, Laravel, Wordpress, Joomla), front-end (JavaScript/TypeScript, React (+preact), Server-Side Rendering, GraphQL, Apollo Server + React Apollo, styled-components, Angular, Angular.js, jQuery, Next.js, Webpack, Vite, WebSockets, Jest, Enzyme, Cypress.io, Ava, Playwright, Puppeteer, Hexo, Gatsby, middleman, CSS, SASS, LESS, PostCSS, CSS-in-JS, accessibility (a11y), Vue, npm, yarn, pnpm), databases (PostgreSQL, MySQL, Redis, RabbitMQ, Elasticsearch, MongoDB), back-end (Node.js, Ruby on Rails, Go, Java, PHP, Python, microservices, event-bases architecture, CQRS, etc.), infrastructure (AWS, GitOps/DevOps, Terraform, CloudFormation, AWS CDK, Linux, bash scripting, Kubernetes), git, test-driven development (TDD), domain-driven development (DDD), CI/CD and list goes on and on...

Example - gold-kamea.ru:

- Developed a full-cycle e-commerce solution which enabled business growth (5x over the years)
- Achieved 99.9999% availability of a e-commerce storefront

## Education

Bachelor's degree in Computer Science at Kazan Federal University (Higher Institute of Information Technology and Intelligent Systems) - 2014 to 2018