

# Danil Agafonov

Senior Staff Software Engineer with 16 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) • Senior Staff Software Engineer** 2019 to Present

- Designed and built Platform Notification Service (comprehensive multi-channel communication platform supporting in-platform notifications, push notifications, email with 500k+ daily messages, 99.95% uptime), Identity Sync Service (to keep user identities synchronized across all apps) adopted by 20+ applications, enabling transformation from independent apps to unified platform.
- Led enterprise-wide event-driven architecture adoption across multiple global offices, influencing director-level architectural decisions and establishing patterns that solved fundamental **distributed systems** challenges and accelerated cross-team delivery.
- Delivered SCIM implementation for enterprise identity management.
- Pioneered AI tool adoption (Claude, Cursor) for architectural research, accelerating design quality and team productivity.
- Championed defensive architecture practices achieving zero major incidents and near-zero bugs across all production services.
- Led technical excellence through Tech Council presentations on modern patterns, enabling self-service adoption via comprehensive documentation.
- Reduced operational costs by \$100,000+ annually through serverless infrastructure optimization.
- Mentored engineers across 4+ global offices and conducted 20+ technical interviews.
- Actively participated in building Vancouver's office technical excellence in cloud computing and serverless architecture: conducted knowledge sharing sessions, prepared many presentations.
- 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.
- Created reusable architectural components and libraries adopted across development teams, improving security posture and accelerating development.

Keywords: AWS (ECS, EC2, CloudWatch, IAM, Lambda, S3, RDS, CodePipeline + CodeBuild, API Gateway, SQS, SNS, EventBridge, DynamoDB, SSM Parameter Store, SES, etc.), AWS CDK, 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 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, Ruby On Rails, Vue.js, Angular.

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.

**Various personal, family, freelance and long term side projects • Full Stack Developer****2009 to 2022**

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: 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, DynanoDB, 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), PHP frameworks and CMS (Phalcon, Kohana Framework, Yii, Laravel, Wordpress, Joomla), git, test-driven development (TDD), domain-driven development (DDD), CI/CD and list goes on and on...

Example - gold-kamea.ru (no longer maintainer by me):

- 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