




Panagiotis Kanellidis

Senior Backend Engineer & Open-Source Maintainer @ GitLab — Distributed Systems & Cloud Infrastructure

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Engineering leader and open-source maintainer with experience scaling distributed systems, CI/CD platforms, and cloud infrastructure. At GitLab I work on CI pipeline architecture serving **10M+ daily workloads**, lead security & compliance efforts, and build AI tooling for CI. Previously delivered cross-team AWS and data infrastructure at Babel. Focused on resilient systems, mentorship, and measurable business impact.

Experience

GitLab — Senior Backend Engineer

Sep 2023 – Present

- Manage and scale CI pipeline system handling **10M+ pipelines/day** and millions of daily transactions.
- Architected and optimized features across billion-row database tables, improving performance and reliability.
- Partitioned the CI database, doubling query performance, reducing system load and operational costs, and boosting customer satisfaction.
- Spearheaded security and compliance initiatives under tight deadlines, ensuring business continuity in restricted regions.
- Designed and implemented key roadmap features, contributing to a **20% increase** in team revenue and customer acquisition.
- Built AI-powered tools for CI, now serving 10M+ daily requests.
- Drove and mentored community contributions, supporting open-source engagement.

Babel — Senior Software Engineer

Nov 2021 – Aug 2023

- Led the introduction user analytics pipelines to the B2B platform.
- Designed the end-to-end architecture of the analytics project, including event pipelines, AWS services, and Infrastructure as Code solutions.
- Ensured seamless and secure communication of services with AWS.
- Drove cross-team collaboration and objective setting.
- Adopted and hosted knowledge-sharing processes to enable effective contributions across teams.

Babel — Full Stack Engineer

Nov 2020 – Nov 2021

- Introduced online migrations on the B2B project.
- Main interviewer for mid and senior engineers; assisted in interviewing product managers.
- Mentored and guided fellow engineers.
- Contributed to an architectural split initiative, dividing a product into two separate products and codebases.
- Worked with: Ruby on Rails, React, AWS, Terraform, Docker, PostgreSQL, MySQL, RSpec, Cypress, GitHub & GitHub Actions.

Pest Pulse — Full Stack & Mobile Engineer (Contract)

Apr 2020 – Oct 2020

- Migrated organization portal from React.js to Stimulus.js, reducing load time by 1s.
- Optimized SQL queries, leading to load time improvements up to **50%**.
- Implemented and maintained IoT Device Management Suite consisting of 3 portals.
- Delivered performance-driven and user-centric features, increasing traffic by 10,000 requests per day.

Core Skills

Engineering Leadership
System Architecture
Cloud Infrastructure
Open-Source Development
Professional Mentoring

Education

University of Macedonia — B.Sc.,
Computer Science (2015–2019)

Certifications

Java: Build Automation with Maven •
React – The Complete Guide •
Comprehensive Ruby Programming •
AWS Fundamentals: Going Cloud-Native •
Multi-Module Build Automation with Maven

Languages

English (Professional Working) •
Greek (Native)

Honors

Thesis: A Practical Introduction to Deep Learning •
Owner, Arctic Code Vault Project

- Worked with: Ruby on Rails, React.js, Stimulus.js, RSpec, Sidekiq, PostgreSQL, Flutter/Dart, Kubernetes, GitLab, CI/CD.

INTRASOFT International — Java Software Engineer

Apr 2019 – Apr 2020

- Built multinational social insurance product modules, with 4 countries showing interest before production.
- Jointly managed development of file parsing and data injection modules, integrated into 15+ other modules.
- Designed, built, and optimized complex batch processes supporting more than 1M records.
- Ensured transaction security and stability in 5 different modules, each containing close to 100 transactions.
- Worked with: Java EE, Kafka, Oracle SQL, Hibernate, Maven, GitLab, JUnit, JIRA, MVC, JSF/JavaScript, JSON/REST.

EPSILON NET — ASP .NET & JavaScript Engineer

Nov 2018 – Mar 2019

- Maintained and extended an Employee Self Service HR Product, ranked #1 HR management product in Greece.
- Designed and implemented an automatic application generation module, reducing development time from 3 days to 20 minutes.
- Transitioned from Intern to contract within 1 month.
- Worked with: ASP .NET 4.7, C#, JavaScript, TypeScript, JQuery, ES6/ES7, Redux, Web Services, REST, Microsoft SQL Server.