

BORIS AGHAJANYAN

Senior Backend / Full-Stack Engineer

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SUMMARY

Senior backend engineer with over 10 years scaling distributed systems, with hands-on full-stack delivery in TypeScript and React. Specializes in service decomposition, API design, and performance engineering, taking systems from legacy monoliths to high-throughput microservices. Owns technical direction, partnering with product and mentoring engineers through organizational and technical change.

TECHNICAL SKILLS

Backend & Distributed Systems: Java, Spring Boot, Node.js, PHP, Microservices, Performance Engineering

Architecture & APIs: System Architecture, REST, GraphQL, API Design

Frontend: TypeScript, React, Next.js, JavaScript

Data: PostgreSQL, MySQL, Elasticsearch, Kafka, Redis

Infrastructure & Tooling: Docker, Kubernetes, AWS, GCP, Jenkins, CI/CD, Git, Datadog, Grafana

EXPERIENCE

Independent Software Engineer — Self-Employed

Dec 2025 – Present

Building full-stack applications independently across new problem domains, taking each from system design through deployment. Selected projects:

- Who Owes What (whooweswhat.me) — receipt-scanning bill-splitting PWA. React 19 + Vite monorepo, hand-rolled Node/TypeScript API, Neon serverless Postgres, AWS Textract OCR.
- Find For Me (findforme.info) — natural-language place search. Next.js 15, serverless API routes, Gemini function calling, Google Maps, Zod validation with custom rate limiting.

Senior Full Stack Engineer — Wayfair

Sep 2018 – Nov 2025

- Led the redesign and migration of fulfillment-domain services from a PHP monolith to Java/Spring Boot microservices, contributing to initiatives that generated millions of dollars in additional annual revenue and strengthening deployment independence, scalability, and long-term maintainability.
- Architected and operated Kubernetes microservices for fulfillment pipelines, tuning horizontal pod autoscaling and memory allocation to reliably absorb 3x traffic surges during peak sales events.
- Redesigned critical fulfillment processing pipelines — introducing Kafka-based async processing and Redis caching — cutting response times from several minutes to 100–300ms and raising operational throughput and customer experience.
- Designed and implemented changes that unblocked EU–UK shipments following Brexit, improving international shipment processing and accuracy.
- Led several front-end redesign projects, migrating legacy JavaScript applications into a unified TypeScript/Next.js monorepo architecture with unit and end-to-end (Cypress) test coverage.
- Mentored a team of 5 engineers through a reorganization, ramping them up on a new project while preserving technical continuity across the fulfillment domain.
- Served as technical domain expert and primary engineering point of contact across engineering, product, and operations.

PHP Developer — Deluxe Entertainment Services

May 2017 – Aug 2018

PHP Developer — Scopic Software

Sep 2016 – Feb 2017

PHP Developer (Freelance) — Upwork / Iguan Systems

Apr 2012 – Aug 2016

- Full-stack web applications and backend APIs in PHP across enterprise, agency, and freelance engagements.

EDUCATION

Master's, Information Technologies — Yerevan State University, 2015–2017

Bachelor's, Applied Mathematics & Informatics — Yerevan State University, 2009–2013