

Vahan Sahakyan

SENIOR SOFTWARE ENGINEER

Building Distributed Systems at Scale

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Senior Software Engineer with 5+ years designing and operating distributed systems at scale. Deep expertise in microservices architecture, Kubernetes orchestration, event-driven patterns, and infrastructure automation. Polyglot across Go, Node.js/TypeScript, and Java; build REST and gRPC services on GCP backed by MongoDB, Redis, and PostgreSQL.

FEATURED PROJECT

Distributed Social Network

github.com/vahan-sahakyan/distributed-social-network

- 10 Go microservices communicating over gRPC, with Redpanda (Kafka-compatible) event streaming, CQRS and event sourcing.
- Polyglot persistence — ScyllaDB, PostgreSQL, ClickHouse event store, Memcached caching — with full observability (Prometheus, Grafana, Jaeger, Loki) and Helm charts for Kubernetes.

CAREER EXPERIENCE

Senior Software Engineer

OPTIMUM PARTNERS · EMBEDDED AT FORBES | May 2024 - Present

- Backend services in Go and Node.js — REST and gRPC APIs, event-driven systems (Kafka-compatible brokers, async patterns).
- Production MongoDB and Redis: schema design, caching strategy, scaling and consistency patterns.
- Contributing to multi-tenant Kubernetes infrastructure across prod/staging/dev with namespace isolation, and GitOps automation via ArgoCD and Argo Events.
- Full-stack contributions across Forbes.com, Bertie CMS, Vetted and Platform teams; code reviews and mentoring junior engineers on backend/systems patterns.

Software Engineer (Backend & Infrastructure)

DATAFOUNDRY | Sep 2023 - May 2024 · 9 mos

- Led large-scale refactoring across microservices architecture for DF mSignal AI, DF Literature Monitor, and DF mSafety AI.
- Integrated static code quality tools (SonarQube) in legacy codebases, reaching 70%+ unit test coverage and clearing quality gates.
- Transformed static components into reusable, library-style modules used across the ecosystem.

Software Engineer

NWSLAB | Nov 2022 - Sep 2023 · 11 mos

- Built Carpathia UI for Warner Music Group's ADA in a cross-cultural team spanning Russia, Ukraine, Armenia, the US, Romania, and India.
- Contributed to architectural decision-making in tech design discussions with backend engineers and the Solutions Architect.
- Transformed Figma designs into maintainable code and implemented generic TypeScript utility types, with peer code reviews under the Tech Lead.

Software Engineer

DATAFOUNDRY | Mar 2022 - Nov 2022 · 9 mos

- Initiated a dashboard analytics app for DF mSignal AI supporting 4 user roles, reusing components from the legacy version.
- Improved performance by optimizing state management and refactoring the codebase around SOC and DRY principles.
- Collaborated with backend engineers to design and implement technical solutions.

SKILLS

- **Languages:** Go, Node.js, TypeScript, JavaScript, Java, Bash
- **Distributed Systems:** Microservices, gRPC, REST APIs, Event-Driven Systems, Kafka, CQRS
- **Kubernetes & Infrastructure:** Kubernetes, Docker, Helm, ArgoCD, Argo Events, GCP
- **Observability:** Prometheus, Grafana, Jaeger, Loki, Distributed Tracing
- **Databases & Caching:** MongoDB, Redis, PostgreSQL, ScyllaDB, ClickHouse, Memcached
- **Backend Frameworks:** Express, Spring, Hibernate, JPA, Prisma
- **Linux & Scripting:** Bash, Shell scripting, Regular Expressions, Unix tools
- **Frontend:** React, Redux, Angular, RxJS, Nx Monorepo
- **Testing & Tooling:** Jest, ESLint, SonarQube, Git, Makefiles, JFrog Artifactory
- **Collaboration & Leadership:** Code reviews, technical mentoring, and documentation

EDUCATION

Mentorship · 1 year

BPC Armenia: Artak Yenokyan

Sr. Engineering Manager at Siemens EDA

C++, Python, Linux, Bash

2018 - 2019

Completed Courses · 5+

UDEMY: Jonas Schmedtmann

- The Complete JS Course

- Node/Express Bootcamp

2021 - 2022

ZTM: Andrei Neagoie

- React/Redux Course

2021 - 2022

John Purcell: Derby, UK

- Java Core 11 Course

2022 - 2023