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SKILLS

Java Python Groovy
Go Spring Boot FastAPI
Gradle Grails AWS
Messaging REST API
GRPC GraphQL
PostgreSQL DynamoDB
JUnit

LANGUAGES

English
Full Professional Proficiency
Russian
Professional Working Proficiency
Armenian
Native or Bilingual Proficiency

Vahe Karapetyan

Software Engineer

Enthusiastic, creative team player who delivers scalable, reliable services through collaborative problem-solving.

WORK EXPERIENCE

Backend Software Engineer

BostonGene

Built backend services that turn complex clinical and genomic data into accurate patient reports for precision oncology.

Apr, 2026 | Yerevan, Armenia

Achievements/Tasks

- ✦ Led a refactor of a major internal component in a core distributed-system service, simplifying its logic and cutting API response times by 30%.
- ✦ Built an LLM-powered patient-data summarization system, engineering prompts that produce accurate, clinically relevant summaries.
- ✦ Co-implemented event-driven messaging between microservices with AWS SNS/SQS, decoupling components and making the system more resilient.

Tech Stack

Python - FastAPI, Celery, Java - Spring Boot, Claude Code, Kubernetes, Helm, AWS - S3/Bedrock/SQS/SNS/IRSA, PostgreSQL, REST API

Backend Software Engineer

Paxos

Developing blockchain-based settlement and custody solutions for digital assets

Jan, 2025 - Sep, 2025 | Yerevan, Armenia

Achievements/Tasks

- ✦ Established higher quality solutions in blockchain products.
- ✦ Designed and delivered process automation tools for brokerage department.
- ✦ Accountable for on-call incident response rotations, driving swift triage and escalation to meet company standards.
- ✦ Delivered AI-driven enhancements across several concurrent projects.

Tech Stack

Java - Spring Boot, Gradle, Go - Golang, Claude Code, gRPC, PostgreSQL, Datadog, Kargo, PagerDuty

Backend Software Engineer

Cognaize

Processing and automating of unstructured documents for financial organizations.

Jan, 2023 - Sep, 2024 | Yerevan, Armenia

Achievements/Tasks

- ✦ Developed scalable backend solutions and managed service-to-service communication.
- ✦ Facilitated clear communication between technical and business teams.
- ✦ Ensured stable system performance throughout critical release cycles.
- ✦ Led onboarding and mentorship for newcomers (junior-mid).

Tech Stack

Java - Spring Boot, Maven, REST API, PostgreSQL, AWS - S3/DynamoDB/SQS/SNS, CircleCI, Jenkins

Backend Software Engineer

IntelinAir Armenia

Field Monitoring and automated Crop Intelligence application.

Jan, 2020 - Dec, 2022 | Yerevan, Armenia

Achievements/Tasks

- ✦ Managed ongoing development, support and enhancement of the application and its services.
- ✦ Designed and implemented a database migration to facilitate the transition to microservices.
- ✦ Developed comprehensive unit and integration tests to ensure application reliability.
- ✦ Organized bi-weekly learning events to foster team development.

Tech Stack

Groovy - Grails, Java - Spring Boot, Gradle, REST API, GraphQL, PostgreSQL, AWS - S3/SQS, Jenkins

EDUCATION

Bachelor's Degree in Computer Science

American University of Armenia

Sep, 2014 - Jun, 2018