

Khachatur Arutiunian

Senior Software Developer | Backend Engineer

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PROFESSIONAL SUMMARY

Software developer with 17+ years of experience, including 6.5+ years focused on building scalable backend systems, microservices, and distributed applications using Java. Proven track record owning services end to end — from greenfield design to multi-region production rollout — across event-driven, cloud-native architectures. Passionate about clean code, agile practices, and mentoring team members to drive engineering excellence.

CORE SKILLS

Languages: Java, C#, Python

Frameworks: Spring Boot, Reactive/WebFlux

Databases: Redis, NoSQL document stores, MySQL, PostgreSQL, BigQuery

Architecture: Microservices, REST APIs, Event-Driven Architecture

Cloud & DevOps: GCP, AWS, Docker, CI/CD

Testing & Tools: JUnit, Mockito, Testcontainers, Maven, Gradle, Git

Practices: Agile, Scrum, Code Review

PROFESSIONAL EXPERIENCE

Five9 – Senior Software Developer

Nov 2018 – Present

AI Tool-Execution Service

- Designed and built a reactive Spring Boot service from inception — the tool server that lets AI agents and workflow automations discover and invoke backend routines through a REST API.
- Drove its multi-region production rollout and added sensitive-data redaction and platform-wide security hardening for customer-facing tool calls.

Automation Audit & Analytics Service

- Built BigQuery-backed reporting APIs for routine/tool execution history and Pub/Sub-to-BigQuery ingestion via Cloud Functions.

Low-Code Action Library

- Designed and implemented ~20 reusable action nodes (text, math, time, file, email, JavaScript execution, LLM structured output, PDF generation) — core building blocks of a no-code workflow builder.

Flow Definition Service

- Implemented auth, version-management, and CRUD lifecycle for versioned flow-graph definitions on a NoSQL document store, including production rollout and multi-region deployment.

Call Center Interactions Platform

- Led a team of 5 developers delivering a microservice handling real-time call interactions; owned full lifecycle from planning through production rollout (Alpha → Beta → Prod).

Server-Side & Internal Configuration Tools

- Developed backend features and internal configuration services; designed RESTful APIs with Swagger/OpenAPI documentation and a reusable Testcontainers/JUnit 5 testing framework.

EARLIER EXPERIENCE

Datavision NN – Software Engineer

Sep 2007 – Nov 2018 (C#, Python, C++)

- Developed application systems for creating, manufacturing, and assembling prototype circuit boards using C# and .NET. ([LPKF](#))
- Developed CAD files viewer application for Android. ([CAD Assistant](#))
- Participated in developing an application for modeling and analysis of processes flowing in a nuclear reactor using C++ and Qt.
- Contributed to development of a large-scale Human Resource Management System.

EDUCATION

Master's Degree in Business Informatics — Nizhny Novgorod Higher School of Economics, 2010 – 2012

Bachelor's Degree in Applied Mathematics — Nizhny Novgorod Technical University, 2004 – 2008

LANGUAGES

English: Advanced | Armenian: Native | Russian: Native | Portuguese: Beginner