Alakbar Hajizada
Senior Senior Java/Golang Engineer | Tech Lead

SUMMARY

- Senior Software Engineer with 9+ years in fintech and banking, specializing in Golang, Java, Kotlin, and Python for scalable, cloud-native microservices architectures.
- Proven expertise in AWS (Lambda, S3, CloudFormation), event-driven systems (Kafka, RabbitMQ, Debezium CDC), and CI/CD pipelines with Blue/Green deployments ensuring zero-downtime releases.
- Led multiple engineering teams delivering complex financial platforms including digital lending, credit line, factoring, and trade finance with integrations to banking and government APIs.
- Strong background in software design patterns, RESTful and RPC APIs, automated testing (Cucumber, Spock), and observability tools (Grafana, ElasticSearch, CloudWatch).
- Holds a Computer Science degree and Information Systems management education, combining deep technical skills with leadership in Agile environments and extensive interviewing experience.

TECHNICAL SKILLS

Main Technical Skills	Go (6 yr.), Java (9 yr.), Spring Boot (6 yr.)
Programming Languages	Go (6 yr.), Java (9 yr.), JavaScript, Kotlin (6 yr.), Python (6 yr.), TypeScript
Python Frameworks	FastAPI (6 yr.)
Go Libraries and Tools	GORM
Java Frameworks	Hibernate (6 yr.), Spring Boot (6 yr.)
Android Libraries and Tools	Kotlin (6 yr.)
JavaScript Frameworks	React
Java Libraries and Tools	Spring Data (6 yr.), Thymeleaf, ZK (6 yr.)
Data Analysis and Visualization Technologies	Kibana
Security	Snyk (6 yr.)
Databases & Management Systems / ORM	AWS ElasticSearch (6 yr.), Hibernate (6 yr.), Liquibase (6 yr.), MySQL (1 yr.), Oracle Database (6 yr.), PL/SQL, PostgreSQL (6 yr.), SQLAlchemy
Cloud Platforms, Services & Computing	AWS (6 yr.)

Amazon Web Services	AWS Cloudformation (1 yr.), AWS EC2, AWS ElasticSearch (6 yr.), AWS Kinesis (1 yr.), AWS Lambda (1 yr.), AWS S3 (6 yr.), AWS SQS
Web/App Servers, Middleware	Apache Tomcat (1 yr.)
Deployment, CI/CD & Administration	Automation deployment CI, CD (8 yr.), CI/CD (6 yr.), Gradle (6 yr.), Jenkins
QA, Test Automation, Security	Cucumber (6 yr.), JUnit, React Testing Library (6 yr.), Unit Testing (6 yr.)
Virtualization, Containers and Orchestration	Docker (6 yr.), Kubernetes (6 yr.)
SDK / API and Integrations	FastAPI (6 yr.), GraphQL (6 yr.), RESTful API (6 yr.), Swagger (6 yr.)
Message/Queue/Task Brokers	Kafka, RabbitMQ (6 yr.)
Methodologies, Paradigms and Patterns	microservices architecture (6 yr.), SOAP (6 yr.)
Logging and Monitoring	Prometheus (6 yr.)
Mail / Network Protocols / Data transfer	WebSockets (6 yr.)
Other Technical Skills	CDC (1 yr.), ConfD RPC (6 yr.), Integrating CI/CD, Sonarcloud (6 yr.)

WORK EXPERIENCE

Senior Software Engineer(Fintech) - Caterpillar (Fintech Applications Development and Cloud-Native Backend Services)

Duration: Apr 2024 — Present
Summary:

- Developed and maintained scalable fintech applications using Agile methodologies, focusing on cloud-native backend services for business-critical financial systems
- Built event-driven data integration pipelines enabling real-time data synchronization across distributed systems

Responsibilities:

- Developed backend services and APIs using Java and Spring ecosystem.
- Designed and implemented RESTful services and backend business logic.
- Built and maintained integration test suites using Cucumber.
- Participated in system debugging, performance improvements, and code quality initiatives.
- Contributed to front-end improvements using HTML templates and UI customization.
- Supported cross-team collaboration for system integration and feature delivery.
- Designed and managed AWS infrastructure using CloudFormation.
- Configured and monitored systems with AWS CloudWatch logs, metrics, and alerting.

- Managed Amazon RDS / Aurora databases including upgrades and scaling.
- Implemented Change Data Capture pipelines using Debezium.
- Built real-time event-driven architectures for reliable data processing.
- Implemented Blue/Green deployment strategies and contributed to CI/CD pipelines.
- Ensured application stability and rollback capability during production releases.

Technologies: Golang, Java, Spring Boot, Spring Data, AWS (Lambda, Kinesis, CloudFormation, CloudWatch), Aurora RDS, Debezium (CDC), CI/CD, Blue/Green Deployments, REST APIs, Integration Testing (Cucumber), HTML, Event-Driven Architecture

Senior Software Engineer(Banking/Payment) - PASHA Bank OJSC (Digital Lending Products and Microservices Backend Platforms)

Duration: May 2018 — Apr 2024
Summary:

- Led design and development of multiple digital lending products including Online Business Loans, Credit Line, Factoring, and Trade Finance platforms
- Architected microservices-based backend platforms enabling automated loan issuance and financing solutions for corporate and SME customers

Responsibilities:

- Designed backend architecture and microservices ecosystem for multiple lending products.
- Led backend development, deployment, and technical planning.
- Managed 5+ engineering teams and coordinated cross-team efforts.
- Built integrations with internal banking systems, government APIs, and external partners using REST, SOAP, RPC, GraphQL, and WebSockets.
- Defined system architecture, technical standards, and engineering practices including CI/CD pipelines and automated testing.
- Led modernization initiatives to refactor legacy services and migrate workloads to AWS cloud.
- Implemented observability and monitoring solutions using Grafana, ElasticSearch, and logging pipelines.
- Mentored engineers, conducted code reviews, and guided teams on architecture and best practices.

Technologies: Java, Kotlin, Golang, Python, Spring Boot, Hibernate/JPA, FastAPI, Gradle, Spock, Unit Testing, Contract Testing, PostgreSQL, Oracle, AWS (S3), Docker, Kubernetes, Microservices Architecture, REST APIs, RabbitMQ, Liquibase, Swagger/OpenAPI, Grafana, ElasticSearch, SonarCloud, Snyk

Java|Spring|Microservices Instructor - ATL Academy (Java and Microservices Training)

Duration: Dec 2021 — Mar 2024
Summary: Provided instruction on Java SE, Spring Framework (Data, Cloud, Security), microservices architecture, RabbitMQ, unit testing, Spock Framework, Docker, and Kubernetes to students and professionals.
Responsibilities:

- Taught Java SE and Spring Framework modules including Data, Cloud, and Security.
- Instructed on microservices architecture and messaging with RabbitMQ.
- Guided students on unit testing using Spock Framework.
- Provided training on containerization and orchestration using Docker and Kubernetes.

Technologies: Java SE, Spring Framework, RabbitMQ, Spock Framework, Docker, Kubernetes, Microservices Architecture

Java Developer(Advertising) - Azerbaijan State Advertising Agency (Internal Company Software Development)

Duration: Jun 2017 — Jun 2018
Summary:

- Developed internal company software including Intranet systems and a Meeting Room Reservation platform to improve operational efficiency
- Designed and maintained database structures and handled full back-end development

Responsibilities:

- Created product architecture and developed backend services.
- Conducted code reviews and bug fixing.
- Deployed applications to testing and production environments.
- Designed and implemented database structures based on business requirements.
- Implemented unit tests to ensure code quality and maintainability.

Technologies: Java, Spring Framework, Hibernate, Tomcat, SQL Server

EDUCATION

- **Western Caspian University**
  Information Systems in Management
  Sep 2019 — Jul 2021
- **Azerbaijan State University of Oil and Industry**
  Computer Science
  Sep 2015 — Jul 2019