

Taleh Ibrahimli

Senior Backend Engineer (Java/Go/AWS) · Distributed Systems · Microservices & High Scalability

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Barcelona, Spain

Professional Summary

Senior Software Engineer with 10+ years of deep hands-on experience in Java, Go, and AWS. Specialist in high-load systems and migrating monoliths to microservices. Technically focused individual contributor who prefers coding and architectural implementation over people management. Open to Relocation (Highly Skilled Migrant).

Skills

- **Programming Languages:** Java (8+ yrs), Go (3+ yrs), Kotlin, Rust, C/C++, TypeScript/JavaScript, Python
- **Backend & Distributed Systems:** High-load & low-latency design, Spring Boot, Spring WebFlux/Reactive (Project Reactor, Netty, RxJava), REST/gRPC, caching (Redis), messaging (Kafka/Kinesis/SQS), event-driven/CQRS
- **Cloud Architecture & Platform (AWS):** VPC, EC2, ALB/NLB, Lambda, API Gateway, S3/CloudFront, RDS/Aurora, DynamoDB, ECR/ECS/EKS, EventBridge, SQS/SNS, Kinesis, Step Functions, OpenSearch; IaC: Terraform/CDK; Well-Architected, cost optimization, resiliency
- **DevOps & SRE:** Kubernetes, Docker, Argo CD, Helm, Jenkins, CI/CD, observability (CloudWatch, X-Ray, Prometheus, Grafana, OpenTelemetry), blue/green & canary, incident response
- **Data & Storage:** PostgreSQL, MySQL, DynamoDB, Redis, OpenSearch/Elasticsearch, Redshift; streaming pipelines; OLTP/OLAP design
- **Security & Compliance:** IAM, KMS, WAF, Cognito, OAuth2/OIDC, Secrets Manager; encryption at rest/in transit; GDPR/PCI awareness
- **AI/LLM Systems:** RAG, agentic/tool-use workflows (LangChain/LangGraph); vector search (MongoDB vector/Postgresql pgvector); small models (Llama/Mistral, etc.); guardrails & cost/latency tuning

Experience

Principal Backend Engineer (Golang/AWS)	2K GROUP	07/2022 - Current
<p>At 2K Group, I acted as the Principal Engineer for the EvenPlay project (https://www.evenplay.com). I was responsible for the core backend architecture, hands-on Golang development, and cloud infrastructure, ensuring high scalability for game mechanics.</p> <p>Key Contributions:</p> <ul style="list-style-type: none">◦ Cloud & Orchestration: Orchestrated the deployment of the game platform on AWS using Kubernetes (Amazon EKS) with Infrastructure as Code (Terraform). Provisioned and integrated managed services such as SQS, SNS, and RDS to enhance scalability, reliability, and operational efficiency.◦ Backend Development: Developed the core backend infrastructure using Golang, ensuring low-latency gameplay mechanics and reliable server-side functionalities.◦ CI/CD & GitOps: Built automated build, test, and deployment pipelines with Jenkins; implemented GitOps using Argo CD and Helm charts for reliable, repeatable releases.◦ Python & Computer Vision: Built Python-based services employing machine learning for body and face detection, and integrated a robust facial recognition capability into gameplay flows.◦ Technical Leadership: Set coding standards and conducted code reviews, mentoring the engineering team on Go/AWS best practices while delivering the majority of core features.• Impact: Delivered critical high-load components under tight deadlines; improved system reliability and maintainability, enabling the platform to scale.		
<p>Senior Software Engineer (Security & Encryption)</p> <p>Played a pivotal role in enhancing the application's security through application-level encryption. Leveraging AWS KMS, Java, Kotlin, and Spring Boot, I successfully implemented encryption mechanisms to safeguard sensitive data.</p> <p>Key Contributions:</p> <ul style="list-style-type: none">◦ Application Level Encryption: Led the development and implementation of robust encryption techniques to protect application data, ensuring confidentiality and integrity.◦ Oauth2 Implementation: Orchestrated the integration of Oauth2 authentication across microservices, establishing a centralized authentication mechanism for enhanced security and seamless user experience.• Impact: Strengthened data protection and compliance, reduced security risk, and streamlined authentication across microservices.		

Senior Software Engineer (Security & Encryption)

[Billing Platform](#)

04/2021 - 07/2022

Senior Java Engineer (Microservices Migration)

[GoldenPay](#)

05/2020 - 05/2021

- Technical lead for the migration of a legacy payment gateway system. Focused on decomposing the monolith into a resilient microservices architecture using Java and Kotlin to drive scalability and flexibility.
- **Key Contributions:**
 - **Microservices Transformation:** Redesigned and reimplemented the monolithic payment gateway into a scalable microservices architecture, ensuring seamless integration between services.
 - **Performance & Security:** Implemented robust security measures and optimized performance through careful design choices, resulting in increased transaction efficiency.
 - **Technical Guidance:** Guided the development team through the architectural transformation, establishing patterns for the new microservices ecosystem.
- **Impact:** Accelerated time-to-market, improved system reliability and throughput, and strengthened security and compliance posture.

Software Engineer

[Crossover](#)

04/2017 - 12/2019

- **Aurora — CxProcess & M1 AlertFind:** Contributed to two key Aurora portfolio products focused on process orchestration and mission-critical alerting.
- **Responsibilities:**
 - Modernized legacy Java applications by designing a higher-level API layer to decouple UI from core services.
 - Refactored and reconnected existing backend services to align with the new API contracts and domain boundaries.
 - Built a high-level Angular application and integrated it with the newly modernized REST APIs.
- **Impact:** Reduced coupling, improved maintainability, and enabled iterative migration without disrupting existing operations.

Java Backend Developer

[Apexx](#)

11/2015 - 04/2017

- **Impact:** Contributed to backend service stability and delivery; improved reliability and code quality across core modules.

Java Backend Developer

[Baku State University](#)

01/2014 - 11/2015

- **E-University — Student & Education Management System:** Main university platform covering the full academic lifecycle.
- **Tech stack:** Monolithic Java backend, PostgreSQL database, Sencha with GWT/GXT for the UI.
- **Impact:** Gained significant knowledge in higher-education processes and university education management.

Freelancer

03/2011 - 01/2014

- **Impact:** Delivered end-to-end solutions for small clients; accelerated go-lives and built repeat engagements through reliable delivery.

AI R&D Highlights

The following represent prototypes/experiments and proofs-of-concept (not shipped production systems).

- Designed RAG and agentic workflows with LangGraph/LangChain and custom-built workflow system; explored vector databases (MongoDB vector/Postgresql pgvector).
- Prototyped AI application architecture and safety patterns: prompt design/guardrails, hallucination mitigation.
- Set up evaluation/observability for experiments: scenario-based A/B tests, telemetry, and cost/latency studies.

Open Source

- <https://github.com/apibrew/apibrew>: Low Code system, where you can build entire Rest APIs from UI
- <https://github.com/tislib/logi>: DSL language definition system, where you can define your own dsl syntax and logi will parse it.
- <https://github.com/tislib/download-delegator>: A tool for parallel web page downloading, compatible with EC2 and AWS Lambda, enabling efficient bulk downloads.

Certifications

- AWS Certified Solutions Architect – Professional (in-progress, scheduled)
- Certificate: Semi-Finalist of ACM Programming Contest in Georgia, 2013
- Certificate: High Achievement certificate of ACM Programming Contest, 2013

Education

- Bachelor's degree in Computer Science and Applied Math — Baku State University (2010 - 2014)