

# Ilyas Sarsenbaev

## Senior Senior Java / Golang Developer

### SUMMARY

Senior Software Engineer with 6+ years in backend development, specializing in Java (8-17) and Golang. Proven expertise in microservices architecture, event-driven systems, and cloud-native solutions using Kubernetes, Docker Swarm, and AWS. Skilled in implementing Temporal workflows, SAGA pattern compensations, and observability stacks (ELK, Grafana, Prometheus). Experienced in CI/CD pipelines, infrastructure-as-code, and legacy system modernization. Holds a Bachelor in Software Engineering with strong foundations in software development lifecycle, testing, and DevOps practices.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	Java (5 yr.), Go (1 yr.), Spring Boot (5 yr.), microservices (5 yr.), Azure DevOps (3 yr.)
<b>Programming Languages</b>	Go (1 yr.), Java (5 yr.), JavaScript (1 yr.), Python (2 yr.), Temporal (1 yr.)
<b>JavaScript Frameworks</b>	Angular (2 yr.)
<b>Mobile Frameworks and Libraries</b>	Crashlytics (1 yr.)
<b>Java Frameworks</b>	Hibernate (3 yr.), Spring (5 yr.), Spring Boot (5 yr.)
<b>Java Libraries and Tools</b>	WireMock (1 yr.)
<b>Databases &amp; Management Systems / ORM</b>	ELK stack (Elasticsearch, Logstash, Kibana) (1 yr.), Flyway (2 yr.), Hibernate (3 yr.), Liquibase (1 yr.), OpenSearch (1 yr.), Oracle Database (1 yr.), PostgreSQL (5 yr.), Redis (3 yr.), Sphinx (2 yr.)
<b>UI Frameworks, Libraries, and Browsers</b>	HTML/CSS Preprocessors (1 yr.)
<b>Cloud Platforms, Services &amp; Computing</b>	AWS (2 yr.)
<b>Amazon Web Services</b>	AWS Cloudformation (2 yr.), AWS CloudWatch (2 yr.), AWS Lambda (2 yr.), AWS S3 MinIO (1 yr.), AWS SQS (2 yr.)
<b>Azure Cloud Services</b>	Azure DevOps (3 yr.)
<b>Methodologies, Paradigms and Patterns</b>	Agile, microservices (5 yr.)
<b>QA, Test Automation, Security</b>	Apache Maven (3 yr.), JUnit (5 yr.), Mockito (3 yr.)
<b>Platforms</b>	Camunda



<b>Virtualization, Containers and Orchestration</b>	Docker (3 yr.), Kubernetes (2 yr.)
<b>Version Control</b>	Git (5 yr.), Github Actions (2 yr.)
<b>Deployment, CI/CD &amp; Administration</b>	GitLab CI (2 yr.), Gradle (3 yr.), istio (2 yr.), Jenkins (2 yr.)
<b>Mail / Network Protocols / Data transfer</b>	GRPC
<b>Collaboration, Task &amp; Issue Tracking</b>	Jira
<b>Message/Queue/Task Brokers</b>	Kafka (2 yr.), RabbitMQ (2 yr.)
<b>Web/App Servers, Middleware</b>	Nginx (1 yr.)
<b>SDK / API and Integrations</b>	OpenAPI (2 yr.), RESTful API (5 yr.)
<b>Logging and Monitoring</b>	Prometheus (2 yr.), VictoriaMetrics (1 yr.)
<b>Other Technical Skills</b>	AssertJ (3 yr.), JUnit 5 (3 yr.), Prism (1 yr.)

## WORK EXPERIENCE

### Backend Developer, B2B Startup empowering local business owners (Wix.com alternative)

**Duration:** January 2019 – May 2019

**Summary:**

- Quickly delivered business features meeting deadlines
- Conducted discussions with stakeholders about upcoming features and project plans

**Responsibilities:** Delivered business features on time; communicated with stakeholders regarding features and project planning.

**Technologies:** Java 8, Spring Boot, Maven, Flyway, Jprofiler, Redis, PostgreSQL, Javascript, HTML/CSS

### Backend Developer, Top 3 B2B Marketplace and Web Studio in Uzbekistan (glotr.uz | md.uz)

**Duration:** May 2019 – August 2021

**Summary:**

- Improved application performance by approximately 75% by implementing NoSQL caching
- Enhanced search module for more accurate results by optimizing data indexing in Sphinx
- Integrated local payment systems, improving user experience and reducing order time by approximately 40%
- Delivered core features with team members intensively and exceeded plans for 3 quarters



- Administered Git source code management, collaborating with team for efficient branching and deploying strategy

**Responsibilities:** Performance optimization; search module enhancement; payment system integration; feature delivery; source code management and deployment strategy.

**Technologies:** Java 8+, Spring Boot, PostgreSQL, MySQL, Redis, Sphinx, RESTful API, Junit 5, Gitlab CI

## **Backend Developer, Secure file sharing, team collaboration and networking system for law firms**

**Duration:** August 2021 – May 2023

### **Summary:**

- Migrated core features to microservice architecture from legacy monolithic system
- Conducted maintenance for a legacy monolithic system with Spring and Apache Struts frameworks
- Integrated a third-party marketplace with RESTful practices to improve user experience
- Added DevOps practices to the legacy system, automated testing, and continuous integration

**Responsibilities:** Migration to microservices; legacy system maintenance; third-party marketplace integration; implementation of DevOps practices, automated testing, and CI.

**Technologies:** Java 11, Spring Boot, Hibernate, PostgreSQL, Flyway, Github Actions, Angular, Junit 4

## **Backend Developer, Leading research solutions provider for academic institutions and corporations**

**Duration:** August 2021 – May 2023

### **Summary:**

- Developed Text-To-Speech microservice which converts large text documents to audio streams with markup for UI
- Developed and maintained over approximately 50 microservices
- Improved transaction validation microservices, integrated OpenSearch and improved bulk operations
- Migrated microservices to API First approach using OpenAPI specifications
- Replaced old Spring-CDC contracts with Prism/Wiremock contract tests
- Added several CI/CD pipelines with Python and Groovy scripts in Jenkins
- Developed AWS Lambda services and tests for them using Java and Python
- Led updates in centralized shared libraries in the artifactory extracting common logic
- Provided 24/7 on-call support, monitored system health and performance using Grafana
- Added DevOps practices to the legacy system, automated testing, and continuous integration

**Responsibilities:** Microservice development and maintenance; transaction validation improvement; API-first migration; contract testing; CI/CD pipeline development; AWS Lambda development; shared library updates; system monitoring and support; DevOps implementation.

**Technologies:** Java 11, Spring Boot, Istio, Kubernetes, AWS, CloudFormation, DynamoDB, Kinesis Streams, Lambda, SQS, Cloudwatch, Jenkins



## Senior Backend Developer, First unicorn startup (ecosystem) in Uzbekistan (Banking Department)

**Duration:** May 2023 – October 2024

### Summary:

- Led the development of cross-border transactions system
- Participated in migration of existing monolithic services to microservices
- Increased development efficiency by integrating Docker images, Wiremock stubs, database migration scripts, integration tests in CI/CD
- Integrated OpenTelemetry Instrumentation components including Grafana, Tempo, Loki, Zipkin and Kibana
- Created dashboards for business and technical metrics
- Conducted interview processes, participated in mentoring programs and onboarded new developers

**Responsibilities:** Leadership in cross-border transactions system development; monolith to microservices migration; CI/CD enhancement; OpenTelemetry integration; dashboard creation; recruitment and mentoring.

**Technologies:** Java 11+, Spring Boot, Kubernetes, K8s Deployments, Oracle, PostgreSQL, RabbitMQ, Kafka, Gitlab CI, Liquibase, Junit 5, Postman, Swagger

## Senior Golang Developer, CBS – Core Banking System for micro-financial organizations

**Duration:** October 2024 – Currently

### Summary:

- Developed microservices banking platform, web and mobile services with FCM push, order/transaction processing, and external API integrations (KATM, CRIF, MyID, GRKI)
- Implemented Temporal workflow orchestration for order evaluation and KYC verification with event-driven architecture, background workers, and SAGA-pattern compensations
- Set up observability infrastructure with Docker Swarm: ELK stack for logging, VictoriaMetrics/vmagent for metrics, Grafana dashboards, Temporal UI with Nginx proxy, and database exporters
- Established DevOps practices with automated migrations, integration testing with test containers, CI/CD pipelines, and infrastructure-as-code for high availability monitoring stack

**Responsibilities:** Microservices development; workflow orchestration implementation; observability infrastructure setup; DevOps practices establishment including automation, testing, CI/CD, and infrastructure-as-code.

**Technologies:** Golang, Fiber, GORM, PostgreSQL, Redis, MinIO, Temporal, Firebase (FCM), Docker Swarm, ELK, VictoriaMetrics, Grafana, Nginx, OpenAPI, Prometheus

## EDUCATION

- **Tashkent University of Informational Technologies**  
Bachelor of Software Engineering in Computer Science



## CERTIFICATION

- **IELTS Academic**  
Score 7.0 (23UZ024012SARI004A)

