

NURSULTAN SARYMOV

Full-Stack Software Engineer

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LinkedIn | GitHub | Portfolio

Professional Summary

Full-Stack Software Engineer with 3+ years of commercial experience designing and building production backend systems and modern web applications. Hands-on with Java 17, Spring Boot, Python, PostgreSQL, Apache Kafka, RabbitMQ, Redis, React, Angular, TypeScript, Docker, Kubernetes, AWS, and CI/CD. Experienced taking features from technical design through deployment in microservice and event-driven architectures. Also founded and independently built SpeakRush end-to-end — an AI-powered English practice platform from backend architecture and LLM pipeline integration to infrastructure and production.

Technical Skills

Languages: Java 17, Python, Kotlin, TypeScript, JavaScript, SQL

Backend: Spring Boot, Spring Security, Hibernate, JPA, REST APIs

Frontend: Angular, React, Next.js, TypeScript, RxJS, Tailwind CSS

Architecture: Microservices, Event-Driven Architecture, Clean Architecture, SOLID

Databases & Messaging: PostgreSQL, Redis, RabbitMQ, Apache Kafka

Cloud & DevOps: AWS (EC2, S3), Kubernetes, Docker, Docker Compose, Jenkins, GitLab CI/CD, GitHub Actions

Testing & Tools: JUnit, Mockito, Testcontainers, SonarQube, Git, Linux, Nginx, MinIO

Professional Experience

Full-Stack Java Developer

Sep 2025 – Present

Chemelex, Astana, Kazakhstan

- Develop and maintain Java 17 microservices with Spring Boot and Hibernate for business-critical workflows, supporting production infrastructure used org-wide.
- Design REST APIs and integrations with internal and third-party services, supporting reliable service-to-service communication.
- Design PostgreSQL schemas and optimize SQL queries and data-access patterns, improving response times for high-traffic dashboard endpoints.
- Implement asynchronous and event-driven workflows using Apache Kafka and RabbitMQ to decouple services and improve system resilience.
- Apply Redis caching to reduce repeated database access, cutting average API response time for cached endpoints.
- Write Python scripts and utilities for data processing, diagnostics, and engineering automation alongside core Java services.
- Integrate MinIO for distributed object storage, supporting scalable backend file-processing workflows.
- Containerize services with Docker and Docker Compose and automate build, testing, and deployment pipelines using Jenkins.

Full-Stack Java Developer

Mar 2025 – Sep 2025

Equipment Control, Astana, Kazakhstan

- Developed modular Java 17 microservices using Spring Boot and Hibernate, structured for independent deployment and scaling.
- Designed REST APIs for communication between backend services, Angular frontends, and external systems.
- Designed PostgreSQL data models and optimized SQL queries, reducing latency on core application endpoints.
- Implemented event-driven backend workflows using Apache Kafka for asynchronous service communication.
- Worked with React, Angular, and TypeScript to integrate backend APIs with user-facing frontend functionality.
- Containerized services with Docker and automated CI/CD workflows using GitHub Actions.
- Developed unit and integration tests using JUnit and Testcontainers, maintaining strong regression coverage across releases.

Mobile Kotlin Developer, Part-Time

Apr 2025 – Dec 2025

Remote / Part-Time Contract (concurrent with full-time role)

- Developed Android applications using Kotlin, Jetpack Compose, and MVVM architecture alongside a full-time backend role.
- Implemented reactive state management with Kotlin Flow and LiveData, and dependency injection with Hilt.
- Integrated Google Maps API and backend services using Retrofit and Kotlin Coroutines.

Backend Java Developer		Aug 2024 – Jan 2025
<i>Flex Backend Service, Astana, Kazakhstan</i>		
- Designed and implemented REST APIs for file upload, retrieval, and soft-deletion workflows. - Built asynchronous file-processing pipelines using RabbitMQ and dedicated consumer services. - Designed PostgreSQL metadata storage and indexing for efficient file search and retrieval. - Implemented MIME-type and metadata validation to improve file security and data integrity. - Containerized services with Docker and Docker Compose and configured GitLab CI/CD pipelines. - Achieved 80%+ test coverage using JUnit, Mockito, and integration testing.		
Backend Java Developer Intern		May 2024 – Aug 2024
<i>JSC DEV, Astana, Kazakhstan</i>		
- Developed document-management REST APIs following Clean Architecture and SOLID principles. - Implemented file validation, metadata processing, and PostgreSQL-based document storage. - Implemented asynchronous processing with RabbitMQ to decouple backend services. - Built Docker-based CI/CD pipelines with GitLab CI and integrated SonarQube for automated code-quality checks. - Maintained 80%+ code coverage using JUnit, Mockito, and containerized integration tests.		
Software Developer		Jan 2023 – Feb 2024
<i>SAP Kazakh Alliance, Almaty / Astana, Kazakhstan</i>		
- Implemented document similarity search and ranking using TF-IDF, cosine similarity, and vector-space models. - Applied K-Means clustering and Decision Tree classification in Java-based analytical services. - Developed and debugged REST endpoints and RabbitMQ messaging integrations for an e-commerce backend platform.		
Independent Projects		
Founder & Developer — SpeakRush (speakrush.com)		2025 – Present
<i>AI-powered English speaking practice platform</i>		
- Founded and independently built the platform from product concept to production deployment. - Designed the backend service layer (Java 17, Spring Boot, PostgreSQL, Redis, AWS) and integrated AI/LLM pipelines for real-time speech evaluation and personalized feedback. - Owned infrastructure, deployment, and product iteration end-to-end as sole founder.		
Full-Stack Developer — iiko REST Metrics (restmetric.com)		2025
<i>Restaurant analytics and reporting platform</i>		
- Built an integration platform connecting to the iiko restaurant management system via REST API, collecting and aggregating sales, revenue, shift, and product metrics. - Developed analytics dashboards and automated reporting using Python and Next.js, covering API integration, data processing, and frontend visualization.		
Education		
L. N. Gumilyov Eurasian National University		Sep 2021 – Jun 2025
<i>Bachelor of Science in Information Systems</i>		
Languages		
Kazakh — Native Russian — Fluent English — B2		