

# MIKHAIL SHYTSKO

mikhail.shytsko@gmail.com • [Personal page](#) • [LinkedIn](#) • +421950310445

## SUMMARY

Product-oriented backend developer with deep experience with Spring Boot and a passion for building scalable systems that solve real user problems. Adept at applying clean architecture and rapid iteration to achieve meaningful results. *Focused on creating value, not just writing code.*

## WORK EXPERIENCE

### Solutions Engineer, Slovenska Sporitelna, a.s.

July 2025 - Today

**Project:** Internal banking projects

- Was responsible for the performance of two microservices, accelerating individual requests by **20** times, reducing infrastructure costs significantly.
- Successfully maintained and expanded a code base of **85k** lines of code single-handedly, saving significant funds in the team's budget.

**Worked with:** Spring WebFlux, OracleDB, Kafka, Podman, GitLab, Kotlin

### Software Engineer, The Designery s.r.o.

Apr 2025 - July 2025

**Project:** Mental Health Platform

- Launched a monolithic application on **Spring WebFlux** and **Google Cloud Platform**, capable of handling over **15k RPs** at peak load.
- Implemented streaming data encryption 'on the fly', reducing unauthorised reads to **0** and ensuring **100%** EU GDPR compliance.
- Led a team of three developers and automated CI/CD in GitLab, reducing deployment time from **12** minutes to **4** minutes without downtime.

**Worked with:** Spring WebFlux, Firestore, Firebase Auth, Cloud Functions, Docker, GitLab CI/CD, Java

### Software Engineer, VitSBS

May 2024 - Oct 2024

**Project:** Automated Certification System & Experimental IoT for Air Quality

- Automated equipment certification, reducing the time required for document certification by almost **50%**.
- Implemented **GraalPy** trend analytics, thereby accelerating product decision-making by **25%**.

**Worked with:** Spring Framework, PostgreSQL, MongoDB, Vaadin, Spring AOP, GraalVM, Docker, GitHub, GitHub Actions, Java

### Backend Developer Intern, ArenaPizza

Oct 2023 - Mar 2024

**Project:** Order Management & Logistics Optimization

- Implemented a secure **REST API** on **Spring Boot** with **OAuth2** and **JWT**.
- Optimised the shift schedule, reducing the time required to approve work shifts from **5** to **2** days.

**Worked with:** Spring Framework, OAuth2, JWT, PostgreSQL, Redis, GitHub, GitHub Actions, Maven, Java

## PROJECTS

### JHMS | High-Performance JVM & System Monitoring API

Oct 2024 - Apr 2025

- Created **GraalVM-based** + **Project Loom** monitoring tool, reduced JVM overhead by **15%** and processed **50k RPs**
- Eliminated performance bottlenecks by **optimising** virtual threads and native calls, making the solution applicable for **high-loaded** & **resource-intensive** systems.

**Worked with:** Java 23, GraalVM, Project Loom, Project Panama, Windows and Linux kernel functions, Java WebServer

### Endor | IoT Platform for Energy Efficiency

Oct 2024 - Jan 2025

- Developed an **IoT** platform, reducing venues energy costs by **15%** in pilot implementations.
- Implemented asynchronous communication via **Spring WebFlux** and **MQTT**, ensuring stability and scalability under uneven device load.
- Configured horizontal scaling for **Docker/GitHub Actions** without incidents at **x2** traffic.

**Worked with:** Spring Cloud, GraphQL, Paho MQTT, PostgreSQL, Influx DB, Docker, GitHub Actions

## EDUCATION AND ADDITIONAL INFORMATION

### Bachelor of Computer Science - Technical University of Kosice

Sep 2022 - June 2025

**Personal achievements:**

- Founded HackPN - organised 2 offline/online hackathons, attracting 50+ participants from Slovakia and the USA.
- Languages: English(C1 level, IELTS Academic band 8.0, test report number **24SK501435SHYM005A**), Slovak(professional working proficiency), Russian(native), Belarussian(native)