

Vasyl Shtoiko | Software Developer

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PROFILE

Self-motivated Java developer with experience in educational and personal projects focused on microservice architectures. I possess a broad knowledge base in backend development, adapt swiftly to new environments, and excel at solving complex problems. I am resilient under pressure, highly value strong work ethics, and am an effective team player. I am dedicated to working and learning with enthusiasm, consistently driven by a passion for continuous improvement. I approach software engineering with a proactive mindset, striving to expand my expertise and evolve as a specialist.

SKILLS AND TOOLS

KEY SKILLS	Java (8, 11, 17, 21), Spring frameworks(MVC, Cloud, Data, Security), Hibernate, Docker, Microservices, PostgreSQL, MongoDB, Testing (JUnit, Mockito)
BASIC KNOWLEDGE	gRPC, Apache Kafka, AWS, Flyway, Liquidbase, Project Reactor, Swing, Devops practice, Networks

EXPERIENCE

GreenCity

[Website](#)

Jan 2024 - June 2024

Volunteered as a backend developer for 'GreenCity,' a non-commercial municipal project focused on promoting eco-friendly lifestyles. The platform allows users to explore eco-initiatives and environmentally conscious businesses through an interactive map, track their progress using a habit tracker, and access user data via the 'GreenCityUser' microservice. I built the user notification feature from scratch to keep users informed about activities related to their engagement, making it adaptable for future integration of a messenger system. Additionally, I optimized several database queries with JPQL, which significantly boosted data retrieval efficiency and overall system performance.

BankSim project

[Swagger](#)

[GitHub](#)

Mar 2024 - PRESENT

BankSim is an educational project simulating a banking system, developed to strengthen expertise in microservices architecture and distributed systems. The project was built and deployed from scratch, leveraging a distributed system architecture with asynchronous communication. It showcases the developer's technical skills and serves as a comprehensive learning platform. Additionally, it is designed to function as a test environment for experimenting with and studying new technologies and tools. Technologies used: Spring (MVC, Data, Cloud, Security, WebFlux), gRPC, Apache Kafka, Flyway, MongoDB, PostgreSQL.

ATMsimulator

[GitLab](#)

Dec 2021 - PRESENT

"ATMsimulator" is a learning project that simulates ATM functionality and is integrated with the "BankSim" system. The application is built using Java 8 with the Swing framework for the user interface, while gRPC ensures seamless communication between ATMsimulator and BankSim. To increase complexity and deepen technical understanding, the project was intentionally developed without the Spring framework and with a minimal set of external libraries, allowing for custom implementations and reinforcing core programming skills and foundational knowledge.

Other Experience

- Retail Specialist: Developed communication, attention to detail, and stress management skills.
- Military Service: Gained leadership, discipline, and problem-solving abilities.

EDUCATION

Ivan Franko National University of Lviv

- Economic cybernetics 2008-2011
- Bachelor's degree in Finance, Banking and Insurance 2021-2022

SoftServ Academy 2020-2024

Finished courses:

- Java Online Marathon
- Java project-based learning
- DevOps for developers fundamentals
- JavaScript/CSS3/HTML5 fundamentals

LANGUAGES

- English: upper-intermediate(B2)
- Ukrainian: native