

Nikola Sarafimov

Full-Stack Developer | Applied IT Student

✉ sarafimov.nikola12345@gmail.com ☎ +389 70 338 389

📍 Skopje, North Macedonia 🔗 nikolasarafimov.github.io

🌐 linkedin.com/in/nikolasarafimov 🐙 github.com/nikolasarafimov



Professional Summary

Applied IT student with hands-on experience in full-stack web development, backend systems, databases, and software testing through academic projects and two technical internships. Experienced with React, Java/Spring Boot, C#/ASP.NET Core, PostgreSQL, REST APIs, authentication, relational database design, and Docker. Seeking a junior software development role within a collaborative engineering team.

Professional Experience

Backend & Database Intern, MARnet - Analyzed and tested FRED EPP workflows for domain registration, renewal, modification, and registrar-system communication. - Used PostgreSQL and SQL to retrieve, validate, update, and analyze domain and system data. - Investigated backend processes and system logs, tested EPP request/response handling, and documented findings.	Apr 2026 – Jun 2026 Skopje, North Macedonia
Software Engineering Intern, State Administrative Inspectorate, Ministry of Public Administration - Maintained and validated electronic registry data, generated reports, and tested selected functionalities within the e-Inspector information system. - Developed and tested an Excel-based leave-tracking worksheet using formulas and functions to automate employee absence and working-hour calculations. - Provided technical support related to digital records, documentation, and daily system use.	Apr 2026 – Jul 2026 Skopje, North Macedonia

Skills

Programming Languages Java, C#, JavaScript, TypeScript, Python, SQL	Frontend Development React, HTML5, CSS3, Tailwind CSS, Vite
Backend Development Spring Boot, ASP.NET Core, Node.js, Express.js, FastAPI, REST APIs	Databases PostgreSQL, MySQL, Entity Framework Core, JPA/Hibernate
Tools & Technologies Git, GitHub, Docker, Docker Compose, Postman	Concepts OOP, Database Design, Authentication & Authorization

Education

Bachelor of Science in Applied Information Technologies, *Faculty of Computer Science and Engineering, Ss. Cyril and Methodius University in Skopje*

Oct 2022 – Present
Skopje,
North Macedonia

Expected graduation: Spring 2027

Relevant coursework: Data Structures and Algorithms, Object-Oriented Programming, Databases, Software Engineering, and Web Programming.

Projects

Smart Travel Planner,

May 2026 – Jul 2026

Java | Spring Boot | Microservices | PostgreSQL | Kafka | Keycloak | Consul

- Developed a microservice-based travel planning platform using Spring Boot, PostgreSQL, Consul service discovery, and an API Gateway.
- Implemented asynchronous service communication with Kafka and centralized authentication and authorization using Keycloak.
- Integrated MCP-based functionality to support intelligent travel-planning workflows.

Blood Agent Analysis, *Python | FastAPI | React | OCR | AI Document Processing*

Oct 2025 – Jan 2026

- Developed an end-to-end pipeline for processing blood test reports provided as PDF documents or images.
- Implemented OCR, anonymization, structured data extraction, and LOINC enrichment.
- Built a React interface and FastAPI backend for reviewing and editing extracted medical data.

Macedonian Dictionary App, *React | Vite | JavaScript | SQLite | sql.js*

May 2025 – Aug 2025

- Developed an interactive web dictionary containing more than 1.3 million Macedonian word forms with morphological tags and examples.
- Implemented in-browser dictionary querying using SQLite and sql.js, with a responsive React interface.

Student Project Management System,

Jul 2025 – Aug 2025

Java | Spring Boot | Spring Security | JPA | PostgreSQL

- Developed a full-stack application for managing student project proposals, submissions, reviews, and approvals.
- Implemented role-based workflows for students and professors using Spring Security and relational data models.

Movie Ticket Booking App,

Mar 2024 – Jun 2024

ASP.NET Core MVC | Entity Framework Core | Authentication

- Developed an ASP.NET Core MVC application for browsing, booking, and purchasing movie tickets.
- Implemented CRUD operations, authentication, dynamic filtering, and administrative ticket-management functionality.

Languages

Macedonian

Native

English

Professional Working Proficiency