MARIJA ŽIVANOVIĆ

Software Engineer

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📍 Novi Sad, Serbia   ☆ 25.06.2002.

SUMMARY

Fourth-year Software Engineering student with hands-on experience in .NET, C#, JavaScript, Python, and Java. Proficient in developing scalable applications using Spring Boot, Angular, and AWS. Skilled in relational database management systems, including PostgreSQL, MySQL, Oracle SQL and H2. Exploring Artificial Intelligence and Machine Learning.

EXPERIENCE

University Of Novi Sad

Faculty Of Technical Sciences - Projects

📅 09/2021 - Present   📍 Novi Sad, Serbia

- **Full Stack Development**
- *HomeSweetHome* - Booking web and mobile app developed using Angular and TypeScript (frontend) with Spring Boot and Java (backend), implementing cybersecurity measures for data protection and secure user authentication.
- Hospital and Library Information and Management System - .NET web applications developed using C#, Clean Code and SOLID principles for scalability and maintainability.
- Smart Home IoT System - Developed a smart home IoT system using Raspberry Pi devices, various sensors and actuators, MQTT protocol, InfluxDB for data storage, and Grafana for visualization, with a Flask-based backend and web interface.
- Energy Consumption Monitoring Platform - Developed an electricity consumption monitoring system using Angular and Spring Boot, with AMQP-based communication, PostgreSQL and InfluxDB databases, real-time charts, user role management, and simulator data handling.
- **Backend development**
- Cosmetic Salon Management System - Java desktop application using Java Swing, JUnit testing, and OOP principles for robustness.
- SCADA system for real-time process monitoring and control
- Search Engine - Python-based file and folder search engine with optimized indexing and algorithms.
- **Cloud Computing**
- *Cinemate* - Cloud-native movie streaming app using Angular and AWS services.
- **Frontend development**
- *CommUnity* App - project designed in Figma, a centralized platform for faculty resources, materials and experiences, featuring animations, interactions, and a final UI/UX evaluation
- **Machine Learning**
- Laptop Price Prediction - Regression model for price estimation using feature engineering.
- Dog Classification - Image classification model using deep learning for breed identification.

Full Stack Software Engineer Internship

Schneider Electric

📅 06/2025 - Present   📍 Novi Sad, Serbia

- **DocuFlow** is a web application for managing technical documentation (PDF, DWG, DOCX, etc.) between engineers, managers, and QA teams. Each document version follows an approval workflow with statuses and comments, built using ASP.NET Core Web API and Angular.

SKILLS

| C# | Java | Python | JavaScript |

| TypeScript | Spring Boot | .NET |

| Angular | Figma | UML | Git |

| Team Work | Problem Solving |

| Effective Communication | Scrum |

LANGUAGES

Serbian
Native   ●●●●●

English
Fluent   ●●●●○

EDUCATION

BSc Software Engineering

Faculty Of Technical Sciences

📅 09/2021 - Present   📍 University of Novi Sad

GRAMMAR SCHOOL

Gymnasium "Vera Blagojević"

📅 09/2017 - 06/2021   📍 Šabac, Serbia

- Natural Sciences and Mathematics

VOLUNTEERING

Team Leader

GENERATION UNLIMITED

📅 2020 - 2021

Environmental Protection Project

Volunteer

EKOS

📅 2015 - 2019

Environmental Protection Organization