



ADIN VRBIĆ

SOFTWARE ENGINEER

Software Engineer with a multidisciplinary foundation in software engineering, economics, and graphic design. Experienced in web and mobile frontend development, with a strong grasp of modern UI/UX principles and frameworks like Angular and React. Proven ability to work across the full development lifecycle, including backend development with Python (Flask, FastAPI) and Java (Spring Boot). Demonstrated adaptability through internship and freelance roles, contributing to team projects and real-world applications. Passionate about writing clean, maintainable code, continuously expanding technical knowledge, and staying aligned with the latest industry practices.

CONTACT

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<https://adin1201.github.io/MyPortfolio/>



[Adin Vrbic](#)

CAREER SUMMARY

Software Engineer - SaaSolution - *January 2023 to May 2025*

Developed and maintained backend and automation solutions using Python, with a strong focus on efficiency, data handling, and process optimization. Designed scalable scripts and microservices leveraging libraries such as Pandas, NumPy, and Flask. Collaborated on web development projects, integrating RESTful APIs and ensuring performance and code quality. Demonstrated strong problem-solving skills, writing clean, modular code while continuously learning and adapting to evolving business needs. Actively contributed to team discussions, code reviews, and documentation to ensure smooth development workflows and knowledge sharing.

Software Engineer - Systech d.o.o.

May 2022 to August 2022

Worked as a Frontend Developer on enterprise-level web applications using Angular, collaborating within a cross-functional team of ten. Contributed to the development and maintenance of Attendo, the company's internal system, and played a key role in implementing new features and resolving performance issues. Coordinated directly with the client, FoodNotify, ensuring their application remained stable, optimized, and aligned with evolving requirements. Gained valuable experience in integrating Angular frontend with Spring Boot backend services, enhancing understanding of full-stack workflows in real-world environments.

Software Engineering Intern - GRM Digital

Jan 2022 to April 2022

Completed a full-stack internship as part of a five-member development team, contributing to the design and implementation of DatingApp, a feature-rich dating platform. Gained hands-on experience with Angular and .NET, working on core functionalities such as user profile creation, messaging, advanced filtering, and interaction features. Participated in Agile workflows, team meetings, and code reviews, enhancing both technical and collaboration skills. This internship provided a strong foundation in full-stack development, UI design patterns, and best practices for building responsive, user-centric applications.

1st Place Winner – Reconnect Hackathon - University of Zenica & Blandus

Oct 14th to Oct 17th 2022

Participated in a competitive 4-day hackathon focused on post-pandemic resocialization, organized by the University of Zenica and Blandus. Collaborated in a four-member team to design and develop a winning digital solution that addressed key social reintegration challenges. Outperformed ten other teams by delivering a well-rounded, innovative prototype combining functionality, user experience, and technical execution. This experience demonstrated strong teamwork, creative problem-solving, and the ability to deliver under tight deadlines.

EDUCATION

University “VITEZ” Travnik

Bachelor's Degree in Information Technology

4-year study program focused on software engineering, systems design, and application development.

University of Zenica

Software Engineering

Completed 3 years of coursework with a strong emphasis on programming, algorithms, and system architecture.

High School of Economics & Finance – MSŠ Busovača

Technical Diploma in Economics and Banking

Gained foundational knowledge in finance, business operations, and economic principles, with early exposure to graphic design and applied computing.

TECHNICAL SKILLS

Programming Languages - Python, JavaScript, TypeScript, Java, C#, SQL

Frontend Development - Angular, React, HTML5, CSS3, Responsive Design, UI/UX Principles

Backend Development - Python (Flask, FastAPI), Node.js, Spring Boot, ASP.NET, RESTful API Development

AI & Machine Learning - TensorFlow, PyTorch, scikit-learn, OpenCV, Natural Language Processing (NLP), Model Evaluation & Optimization

Databases - MySQL, SQL Server, MongoDB (NoSQL)

Testing & Debugging - Unit Testing, Integration Testing, Automated Testing, AI Model Testing, Debugging, Cross-browser Compatibility

Tools & Platforms - Git, Docker, Jupyter Notebook, Selenium, Postman, Visual Studio Code, GitHub

Design & Prototyping - Figma, Adobe XD, Adobe Illustrator, Adobe Photoshop, Wireframing, Prototyping, User Testing

Project & Workflow Management - Agile, Scrum, JIRA, Kanban, Shortcut, Phabricator

Additional Competencies - System Maintenance, Network Administration, Embedded Systems, IoT Fundamentals, Code Reviews, Performance Optimization

OTHER COMPETENCIES

Project Management: Agile Scrum, JIRA, Phabricator, Shortcut, Kanban, Project Lifecycle Management
Software Architecture: Algorithms and Data Structures, Android Design Tools: Wireframing, Prototyping, User Testing, Adobe Photoshop, Figma, Adobe Illustrator, Inkscape, Gimp, Adobe XD
Hardware: Electronics and Hardware Architecture, IoT Fundamentals, Embedded Systems
Data Management: Data Security, Client-Side Validation, RESTful API Design
Collaboration: Cross-Functional Teamwork, Remote Collaboration, Code Reviews
Quality Assurance: Unit Testing, Automated Testing, Debugging, Performance Optimization

LANGUAGES

English: CEFR Level B2

Bosnian: Native Speaker (Mother Tongue)