

Dimitrije Vuković

Junior Software Engineer

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Final-year Software Engineering student with hands-on experience building backend, full-stack, and distributed applications using .NET and TypeScript. Interested in software engineering, system design, and developing scalable real-world applications. Seeking a junior software engineering or full-stack development role.

Projects

[Sky Tickets](#) (ASP.NET Core Backend)

- Built an ASP.NET Core backend for airline ticketing with REST endpoints, pagination, projections, global exception handling, and policy-based authorization. Used EF Core with repository and unit of work, integrated Hangfire for background jobs, and wrote unit tests for services and validation.

[KvizHub](#) (Full-stack Application, ASP.NET Core & TypeScript)

- Built a full-stack quiz application with React and ASP.NET Core. Implemented layered architecture, JWT authentication, CRUD APIs, and EF Core with SQL Server. Dockerized the app and added unit, integration, and E2E tests.

[DRS Quiz Platform](#) (Distributed System, Flask)

- Built a distributed system using Flask with two services, PostgreSQL and MongoDB, and Redis. Implemented JWT auth, async processing, and real-time updates via WebSockets. Containerized services and set up CI/CD and cloud deployment.

[Perfumery CMS](#) (Microservices System)

- Built a microservices system with Node.js and TypeScript using API Gateway, JWT auth, and role-based access. Each service has its own database, with centralized audit logging and a React + Electron client.

Additional projects available on [GitHub!](#)

Education

EXPECTED 2026

Bachelor of Engineering in Computer Science and Informatics

Faculty of Technical Sciences, University of Novi Sad

Skills

- C# • .NET • ASP.NET Core • REST APIs • Entity Framework Core • SQL (SQL Server, PostgreSQL, MySQL) • MongoDB • Redis • TypeScript • Clean Architecture • Microservices • Design Patterns • Authentication (JWT) • Authorization • FluentValidation • Unit Testing • Git • Docker • CI/CD • Angular • React • WPF • Computer Science Fundamentals • Problem solving • Teamwork • Communication

Languages

- Serbian – Native
- English – Professional working proficiency