Adnan Voloder

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Portfolio & Profiles

- Portfolio: https://adnanvoloder.netlify.app
- Github: https://github.com/avoloder9
- LinkedIn: https://www.linkedin.com/in/adnan-voloder-98a0b3276/

Projects Summary

Food Order App (2025)
Features: Menu Browsing, Cart Management, Checkout Form, Order Confirmation
Technologies: React | Node.js | HTML | CSS | JavaScript
- Developed a web application for browsing menus and placing orders.
- Built React frontend with cart and quantity selection functionality.
- Implemented Node.js backend to handle API requests and order processing.
- Created checkout form for user details and order submission.
- Integrated email notifications to confirm completed orders.
- Ensured responsive UI and smooth frontend-backend interaction.

EBolnica – Hospital Management System (2024-2025)
Features: Patient & Staff Management, Appointment Scheduling, Medical Record Tracking, PDF Report Generation
Technologies: C# | Flutter | ASP.NET Web API | SQL Server | Entity Framework Core | RabbitMQ | Docker | ML.NET
- Full-Stack Development
- Developed a hospital management system for doctors, patients, staff, and admins
- Designed REST APIs for scheduling, user management, and medical records
- Built cross-platform mobile app in Flutter with responsive and intuitive UI
- Implemented authentication with role-based access (doctor, patient, staff, admin)
- Integrated ML.NET recommendation system for doctor–patient matching
- Enabled PDF generation for medical findings, examinations, and statistics
- Used RabbitMQ for messaging about appointments, staff schedules, and therapies
- Deployed and managed API, SQL Server, and RabbitMQ containers with Docker

Heart Disease Predicition Agent – AI-Powered Healthcare Application (2025)
Features: Model Training, Heart Disease Prediction, Automatic Data Augmentation
Technologies: C# | ASP.NET Web API | ML.NET | HTML | CSS | JavaScript
- Developed an AI-driven application to accurately predict heart disease risk in patients.
- Trained and validated logistic regression models with ML.NET using structured medical datasets.
- Designed a .NET Core backend to process patient inputs and return probability-based predictions.
- Implemented data augmentation to continuously expand the training dataset for improved model performance.
- Built robust preprocessing and feature engineering pipelines for reliable predictions.
- Developed a responsive web interface for intuitive patient data entry and visualization of results.
- Ensured code quality with input validation, logging, and unit testing for backend and model components.

Bankist – Online Banking Web Application (2023 - 2024)
Features: Multi-Bank Account Opening, Money Transfers, Loan Requests, Virtual ATM, Real-Time Notifications
Technologies: C# |ASP.NET Web API | Angular | TypeScript | SQL Server | Entity Framework Core | SignalR
- Developed a multi-bank web platform for account management, money transfers, and loan requests.
- Enabled users to register, log in, open accounts in different banks, use a virtual ATM, and close accounts.
- Built admin features to manage users, view transactions, and approve or reject loans.
- Integrated SignalR for real-time notifications on transfers and account activity.
- Implemented ASP.NET backend and Angular frontend with responsive, intuitive UI.
- Ensured data security, validation, and reliability across all components.

Education

Software Engineering– University of Džemal Bijedić, Mostar
Faculty of Information Technology
2021-Present.

Work experience

Backend Developer Intern – QSD, Mostar, Bosnia and Herzegovina
2024 (Full Time, Hybrid)

Languages

- Bosnian

- English

Skills

- **Programming languages** (C++, C#, JavaScript, TypeScript, Dart, SQL)
- **Backend & API Development** (ASP.NET, RESTful APIs)
- **Frontend Development / Frameworks** (Angular, React, Flutter, Tailwind CSS)
- **Machine Learning & Data Processing** (ML.NET)
- **Databases** (SQL Server, MySQL)
- **Messaging & Real-Time Communication** (RabbitMQ, SignalR)
- **Version Control** (Git)

Certifications

- Royal Embassy of Saudi Arabia, Cutural Centre "King Fahd"
  - Software testing
- Udemy
  - The Complete JavaScript Course 2023: From Zero to Expert