Matija Djuricic

Software Engineer / Full-Stack Developer

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PROJECTS SUMMARY

Moja Tema: Information System

Features: Real-Time Communication, Scalable Software Architecture, Multi-Database Design

Technologies: TypeScript | PHP | Go | Laravel | Vue.js | MySQL | MongoDB | Redis | Docker | NGINX | Web-Sockets

- **Software Engineer**
- Developed and maintained a full-featured platform enabling all roles to manage graduation topics seamlessly.
- Built a dynamic and responsive frontend using Vue.js, TypeScript, CSS modules(modular styling) and Vite(build).
- Implemented robust REST APIs with Laravel - student applications, topic tracking and administrative actions.
- Designed and integrated a real-time communication system using Go and Web-Sockets.
- Utilized Redis to cache frequently accessed data, significantly reducing database load.
- Employed MySQL for structured academic data and MongoDB for unstructured, high-volume message storage.
- Enabled role-based access control (RBAC) by encoding user roles - admins, mentors, professors, students...
- Applied Pinia store for effective frontend state management and Jest for comprehensive testing.
- Deployed backend services with Docker and managed request routing with NGINX for optimal performance.
- Collaborated closely with academic stakeholders to ensure platform usability and data compliance.
- https://github.com/matijadjuricic/MojaTema

Video Review: Video Review Platform

Features: User Authentication, MongoDB for User Data, Scalable Backend

Technologies: JavaScript | Node.js | React | Express.js | MongoDB | JWT | REST API | Youtube API

- **Full-Stack Developer**
- Implemented secure user authentication for the platform using JSON Web Tokens (JWT) and MongoDB for storing user data, ensuring safe login and registration workflows.
- Designed a MongoDB schema to store user credentials, including username, email, hashed passwords.
- Developed the JWT authentication system.
- Using Youtube API for content and video materials.
- Ensured password security by implementing hashing with bcrypt, preventing plain text storage in the database.
- Ensured seamless integration between the frontend and backend by handling authentication in React via Axios.
- https://github.com/matijadjuricic/VideoReview

Task Management Application

Features: Task Scheduling, Scalable Backend Architecture, Cross-Platform Compatibility

Technologies: TypeScript | Angular | NestJS | PostgreSQL | REST API | Docker | Redis | JWT | Swagger

- **Software Engineer**
- Developed and maintained a robust task management application to efficiently track and manage tasks.
- Designed and implemented a dynamic, user-friendly frontend using Angular for a consistent UI/UX.
- Built scalable REST APIs using Nest, ensuring seamless communication between the frontend and backend.
- Utilized PostgreSQL for relational data storage, ensuring data integrity and fast query performance.
- Employed Redis for caching frequently accessed data, improving overall application performance.
- Implemented JWT authentication for secure user management, enabling role-based access control (RBAC).
- Used Docker to containerize backend services, making the development and deployment more efficient
- Managed API documentation and endpoint testing through Swagger
- https://github.com/matijadjuricic/TaskManagementApp

TECHNICAL SKILLS

- **Programming languages** (JavaScript, TypeScript, PHP, Python, Java, Go, C/C++, SQL, Bash)
- **Frontend** (HTML5, CSS3, Angular, Vue.js, React, Next.js, CSS Modules, Tailwind CSS, Sass, Bootstrap)
- **Backend & API Development** (Node.js, Express.js, NestJS, Laravel, Django, FastAPI, Flask, Gin, Spring Boot, RESTful APIs, gRPC, GraphQL, WebSockets, Microservices)
- **Testing** (Unit, E2E, Integration, Jest, PyTest, PHPUnit, Playwright, Cypress)
- **Cloud & DevOps** (Docker, Kubernetes, NGINX, Apache, AWS, Azure, Netlify, Vercel)
- **CI/CD** (Git, GitHub, GitHub Actions, CircleCI, Jenkins)
- **Databases & Caching** (MySQL, PostgreSQL, SQLite, MongoDB, Redis, Memcached)
- **Messaging & Monitoring** (Kafka, RabbitMQ, Grafana, Prometheus)
- **Agile & Scrum** (Jira, Slack, MS Teams, Trello, Miro)

WORK EXPERIENCE

Software Engineer / Full Stack Developer – Belgrade, Serbia
2021 – present (Freelance, Remote)

EDUCATION

School of Electrical Engineering – University of Belgrade, Belgrade
Faculty of Electrical Engineering
Bachelor's Degree, Computer Software Engineering
2025 – present

High School – Zemunska Gimnazija, Belgrade
High School Degree, information Technology
2021 – 2025
Graduated 2025.

LANGUAGES

- English C1
- Serbian

CERTIFICATIONS

- Harvard University
  - CS50x