

Ermal Komoni

SOFTWARE ENGINEER

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<https://ermalkomoni.com>

Experienced Software Engineer with expertise in C# / .NET Core and React. Skilled in building secure, scalable web APIs and modern front-end interfaces that deliver excellent usability and performance. Committed to writing clean, maintainable code and delivering impactful solutions.

SKILLS

- C# / .NET Core (OOP)
- React JS / Angular
- Web APIs / RESTful APIs
- Hangfire / RabbitMQ / MinIO / Redis
- Java (OOP)
- SQL / PostgreSQL / Entity Framework Core
- MVC / Microservices / Layered / Clean / CQRS
- Azure Cloud / AWS / Docker / Kubernetes

EXPERIENCE

SOLUTION ENGINEER

Swiss GRC

Lucerne (Remote)

July 2024 - Present

- Led the development of a large-scale solution for ÖBB (Austrian Federal Railway), supporting over 40,000 employees by addressing governance, compliance and risk management requirements through C# / .NET Core and front-end UI components with React.
- Delivered enterprise-level solutions for high-profile clients like Porsche Holding, IAV GmbH, Helsana AG, PostFinance, Vodafone and Zayed International Airport through strong collaboration and technical expertise.
- Designed and built scalable applications with .NET Core by applying SOLID principles to ensure long-term performance, better testability and maintainability.
- Built and implemented React front-ends integrated with .NET RESTful APIs, focused on endpoint consumptions, centralized error handling and secure data workflows.
- Applied advanced React practices such as custom hooks, memoization, lazy loading, redux state pattern and component-driven styling.
- Demonstrated strong problem-solving skills by troubleshooting risk management workflows to ensure security, compliance, and customer alignment.
- Utilized xUnit to execute extensive unit and integration tests, validating application performance before production deployment.
- Demonstrated adaptability by quickly embracing new technologies in a fully remote, collaborative work environment.

SOFTWARE DEVELOPER

SPINP Agency

Pristina (On-Site)

June 2023 - June 2024

- Improved app functionality and patient experience by integrating third-party APIs (MF Health, Arztekasse, CRIF) tailored to the Swiss healthcare market.
- Developed a secure data storage solution using PostgreSQL and MinIO to handle sensitive dental service requests.
- Designed and implemented a notification system using Hangfire for background job scheduling, SignalR for real-time updates, and RabbitMQ as the message broker.
- Strengthened system security by implementing advanced data encryption and decryption methods.
- Integrated Swiss QR Bill payment standard and ensured compliance with Swiss payment/regulatory requirements.
- Managed deployment processes via Azure Portal and IIS for seamless application delivery.
- Performed end-to-end testing, bug fixing, and process documentation to maintain high software quality.

EDUCATION

BACHELOR IN COMPUTER SCIENCE AND ENGINEERING

University for Business and Technology

Feb 2024