

# Demir Bakiu

## Software Engineer



- ✉ demirbakiu@outlook.com
- ☎ +355697219109
- 📍 Street Mihal Grameno, Tirana, Albania
- 🌐 <https://linkedin.com/in/demir-bakiu-ab21901b9>
- 🔗 Portfolio: <https://demirbakiu.com>

I am a Software Engineer committed to delivering structured, scalable solutions that support organizational growth and operational efficiency. By working across both backend and frontend domains, I contribute to the development of systems that are reliable, maintainable, and aligned with strategic objectives.

My approach emphasizes problem-solving, clear architecture, and long-term value creation, ensuring that the solutions I build not only meet current needs but remain adaptable for future requirements.

### PROFESSIONAL EXPERIENCE

12/2024 – Present  
Tirana

#### **Full Stack Software Engineer (.NET & React.js), Communication Progress, Tirana**

- Contributed to the modernization of national e-Albania services by transitioning legacy ASP.NET WebForms modules into scalable .NET 9 API microservices built on Clean Architecture, supported by React.js (MUI) frontend implementations.
- Participated in shaping consistent architectural and development standards to support scalability, interoperability, and long-term sustainability across the microservices ecosystem.
- Designed and implemented reusable shared services — including PDF rendering, document stamping, Redis caching, document streaming, and transaction management — significantly improving development efficiency and delivery timelines.
- Established a standardized React.js frontend approach to enhance development consistency and accelerate implementation across services.
- Facilitated the transition from legacy XML-based ESB integrations to modern JSON-based contracts, improving communication efficiency between government systems.
- Collaborated with third-party institutions to ensure alignment on requirements and successful service delivery during the modernization process.
- Supported containerization and deployment of services using Docker, optimizing configurations and resolving environment and integration challenges across testing and staging environments.
- Ensured code quality and security through structured review processes and SonarQube analysis.

- Contributed within Agile delivery frameworks to support sprint execution, cross-team collaboration, and timely resolution of technical challenges.
- Delivered SLA-critical support for One Albania projects by executing high-priority, real-time SQL operations to ensure service continuity and operational stability.
- Successfully completed urgent ASP.NET WebForms development for the FADN service within a 24-hour priority delivery window.
- Contributed to the development of e-Albania 1.0 services using ASP.NET WebForms, including real-time delivery for Startup Albania initiatives.

07/2022 – 11/2024  
Tirana

### **.NET Software Developer, ikubINFO, Tirana**

- Deployed and managed applications on IIS, ensuring high performance, availability, and security across production environments.
- Developed scalable web applications using ASP.NET Core with MVC architecture, supporting long-term maintainability and business continuity.
- Designed and implemented RESTful APIs to enable seamless integration with diverse client systems.
- Maintained and enhanced legacy ASP.NET MVC applications, improving operational stability and performance.
- Developed and integrated SOAP/WCF web services to support secure data exchange across distributed platforms.
- Led the integration between DPT and the High Judicial Council of Albania (KLGJ), enabling reliable web service communication between the two institutions.
- Implemented Windows Services and background processing solutions using Hangfire to automate workloads and improve system efficiency.
- Designed and deployed SSRS reports to support data-driven decision-making for stakeholders.
- Utilized Git-based version control to ensure code integrity and support collaborative development practices.
- Contributed within Agile delivery frameworks, supporting sprint planning, daily coordination, and continuous improvement initiatives.
- Established testing and documentation practices to enhance software quality and reliability.
- Reviewed functional requirements and provided technical input to ensure alignment with operational and customer needs.
- Diagnosed and resolved software issues through structured debugging and reporting processes, supporting timely resolution and system stability.

## EDUCATION

10/2024 – Present  
Tirana

**Master's Degree in Cybersecurity,  
Faculty of Economics, University of Tirana**

10/2020 – 07/2023  
Tirana

**Bachelor's Degree in Informatics, Tirana,  
Faculty Of Natural Sciences**

## AREAS OF EXPERTISE

.NET Core • Docker • REST APIS • Javascript • Agile • Git • Postman / SOAP UI • SQL Server • Microservices • .NET Framework & Webforms • Material UI • CI/CD • Unit & Integration Testing • Entity Framework • gRPC • ReactJS • IIS Deployment • GitLab / Azure DevOps • SonarQube

## LICENSES & CERTIFICATIONS

05/2024	<b>OWASP-SKF100, The Linux Foundation</b>
08/2022	<b>Microsoft AI Fundamentals - AI 900, Microsoft</b>
07/2022	<b>Microsoft Azure Fundamentals - AZ 900, Microsoft</b>
07/2022	<b>Microsoft Data Fundamentals - DP 900, Microsoft</b>