

FAHED KHALIL

Senior Software Engineer

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PROFESSIONAL SUMMARY

Senior .NET Backend Engineer with 20+ years of experience designing, developing, and supporting high-availability enterprise systems across telecom, government, and cloud environments. Specialized in **backend architecture, microservices, database optimization, and production system reliability**. Extensive experience building scalable APIs and cloud solutions using **.NET Core, Azure, and SQL technologies**. Proven ability to troubleshoot complex production systems and deliver reliable solutions in mission-critical environments.

SKILLS

Languages & Frameworks: C#, .NET Core, ASP.NET Core, REST APIs, Microservices, Entity Framework, Dapper

Cloud & DevOps: Microsoft Azure, Azure Functions, Kubernetes, CI/CD, Git, Docker

Databases: SQL Server, PostgreSQL, Vertica, Cosmos DB

Architecture: Backend Architecture, Distributed Systems, System Integration, Performance Optimization, Caching (Redis)

Frontend Technologies: JavaScript, Angular, React

Tools & Platforms: Power BI, SharePoint, Cloud Services

Methodologies: Agile, Scrum

Best Practices

- Clean Code principles (SOLID)
 - Design Patterns concepts
 - REST API design standards
 - Layered architecture & separation of concerns
 - Secure coding & input validation
 - Database optimization & query tuning
 - Caching strategies (Redis, in-memory caching)
 - Logging, monitoring & exception handling practices
 - Code reviews and peer review processes
 - Scalable backend design for distributed systems
 - Production troubleshooting & root cause analysis
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PROFESSIONAL EXPERIENCE

Senior Software Engineer - Contract

Cigo Tracker | Canada | JAN 2026 – MAR 2026

- Collaborated within a cross-functional team to design and develop a new product enabling eCommerce businesses to track and manage item deliveries in real time, improving visibility and operational efficiency.
- Developed and maintained microservices and RESTful APIs using .NET Core and C#, supporting scalable and high-performance backend operations.
- Contributed to system design and integration to ensure seamless communication between services and real-time tracking capabilities.

Senior Software & Product Support Engineer

Novelus | Beirut | JUL 2020 – MAY 2025

- Designed and delivered backend enhancements for telecom platforms supporting large-scale enterprise clients, improving system scalability and performance.
- Developed and maintained microservices and RESTful APIs using .NET Core and C#, enabling modular and high-availability system architecture.
- Built and deployed serverless solutions using Microsoft Azure Functions to handle asynchronous processing and event-driven workloads.
- Optimized database performance across SQL Server, PostgreSQL, Vertica, and Cosmos DB through query tuning, indexing strategies, and data modeling improvements.
- Implemented caching and performance optimization techniques (e.g., Redis where applicable) to reduce latency and improve system responsiveness.
- Created interactive Power BI dashboards to monitor system performance, track KPIs, and support data-driven decision-making for stakeholders.
- Led investigation and resolution of critical production incidents, performing root cause analysis and implementing long-term fixes to enhance system reliability and uptime.
- Collaborated with cross-functional teams (QA, DevOps, Product) in an Agile environment to deliver high-quality features and continuous improvements.
- Contributed to system integration efforts with third-party services and internal platforms, ensuring seamless data flow and operational efficiency.
- Mentored and supervised a team of 2 junior developers, conducting code reviews, ensuring code quality, and managing task assignments using Azure DevOps.

Senior Software Engineer

CODE Technologies | Beirut | APR 2015 – MAY 2020

- Contributed to the development and maintenance of government digital transformation systems, improving service delivery and internal process efficiency.
- Implemented eGovernment solutions using SharePoint Online to manage official documents and digitize governmental and municipalities workflows, improving document control, traceability, and collaboration.
- Worked on large-scale data migration and system integration projects, ensuring accurate data transfer and consistency across platforms.
- Designed and developed backend services using .NET, C#, and SQL Server, supporting enterprise-level applications with high reliability.
- Supported and customized implementations of the CloudBlue platform (now part of Ingram Micro Cloud ecosystem), adapting solutions to client requirements and integrations.
- Participated in production support and system troubleshooting to ensure stability of deployed government systems.

- Collaborated with analysts and technical teams to translate business requirements into scalable technical solutions.
- Delivered on-site assignments and client engagements in **KSA and Seychelles**, supporting implementation, integration, and system rollout activities.

Software Engineer

Capital Outsourcing | Beirut | SEP 2010 – MAR 2015

- Contributed to cloud initiative projects and regional infrastructure expansion programs.
- Worked on enterprise platforms including CloudBlue, CORTEX, and MPS, supporting implementation, customization, and integration activities.
- Led enterprise email platform migration projects, ensuring secure and seamless service continuity.
- Developed backend services using .NET and SQL Server for enterprise systems.

Software Engineer

EVERTeam | Beirut | OCT 2008 – AUG 2010

- Built ECM and CTS web apps.
- Delivered solutions for key clients in Qatar and Saudi Arabia.
- Supported deployment, troubleshooting, and performance tuning.
- Designed backend services using .NET, C# and SharePoint On-premise for backend development.
- Performed on-site development and delivery engagements in **KSA and Qatar**, including coding, system integration, and deployment support for enterprise platforms

Software Engineer / Consultant

LibanCo Source | EnfoTrust & Guardian Networks | LEB & USA | FEB 2006 – FEB 2008

- Developed a web application for Home Depot (USA) to support warehouse and inventory assessment processes through structured questionnaires covering stock and operational status.
 - Developed web applications and Windows services for enterprise ROAM remote asset management systems.
 - Performed on-site visits to the **USA (twice)** for hands-on development, coding sessions, and training on the ROAM remote asset management system.
 - Built remote monitoring and control backend services using C# and .NET.
 - Participated in international system deployment and training.
 - Acted in a dual role as Software Engineer and Technical Lead/Analyst, overseeing requirement analysis, task coordination, and technical delivery
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EDUCATION

Bachelor in Business Computer

University Center of Technology – North Lebanon | 2003
