



# MUBARAK ELAGIB

Senior Integration Engineer | Integration Architect | .NET & Azure | Agentic AI

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Riyadh, Saudi Arabia | mubarakelagib.com

## PROFESSIONAL SUMMARY

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**Senior Integration Engineer and Integration Architect with 10+ years** of experience across enterprise integration, backend architecture, and full-stack .NET engineering in retail, fintech, banking, government, and energy sectors across Saudi Arabia and Sudan.

Architect and own an Azure-native integration platform connecting 400+ retail branches with 12+ marketplace, payment, loyalty, and fulfillment partners, including Amazon KSA, Noon, HungerStation, Jahez, Trendyol, STC Qitaf, Al Rajhi Bank, Tamara, and Tabby.

Specialized in event-driven architecture, serverless integration, API platforms, distributed messaging, observability, resilience, and production engineering using .NET, Azure Functions, Service Bus, Logic Apps, API Management, Azure SQL, OpenTelemetry, and AWS integration services.

Expanded the platform into Agentic AI by designing and building a production Marketplace Support Agent using Azure AI Foundry, a custom MCP server on Azure Functions, and typed tools for intelligent multi-tool orchestration.

Architect and build end-to-end integration platforms—from solution design and development to DevOps, data, observability, and production support—reducing manual operations by 40%+ through intelligent automation and reusable integration patterns.

**Boomi Certified Integration Professional | B.Sc. Computer Science**

## PROFESSIONAL EXPERIENCE

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### Senior Integration Engineer | Integration Architect

#### Abdullah Al-Othaim Markets

Riyadh, Saudi Arabia | Sep 2023 – Present

- Architect and own the enterprise integration platform connecting 400+ retail branches with 12+ marketplace, payment, loyalty, and fulfillment partners across Saudi Arabia.
- Design and build marketplace integrations for Amazon KSA, Noon, HungerStation, Jahez, AliExpress, Trendyol, Speedi, and Nana, enabling automated order processing, inventory synchronization, pricing updates, and fulfillment workflows.
- Engineer cross-cloud integrations between AWS and Azure using Amazon SQS, Lambda, and S3 with Azure Service Bus, Azure Functions, Logic Apps, and Azure SQL.
- Build and maintain secure payment and loyalty integrations for STC Qitaf, Al Rajhi Bank Mokaftaa, Tamara, Tabby, and Comarch CLM using API Management, OAuth2, Key Vault, and partner-specific Azure Functions.
- Establish shared resilience and observability components using Polly, OpenTelemetry, Application Insights, distributed tracing, and structured logging.
- Design and build a production Marketplace Support Agent using Azure AI Foundry, a custom MCP server on Azure Functions, and typed tools for intelligent multi-tool orchestration.

**Tech Stack:** C#, .NET 8, ASP.NET Core, Azure (Functions, Logic Apps, Service Bus, API Management, Monitor, Key Vault), AWS (Lambda, S3, SQS), SQL Server, Dapper, Azure DevOps, OpenTelemetry, Application Insights, Boomi.

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### Senior Software Engineer — Backend & Architecture, SITE Riyadh, Saudi Arabia

June 2022 – August 2023 (1 yr. 3 mos.)

- Delivered the Energy Information Center Platform for the Saudi Ministry of Energy using C#, ASP.NET Core, ABP Framework, Clean Architecture, and Domain-Driven Design.
- Led backend architecture and implementation, improving system performance by 20% through code optimization and architectural refactoring.
- Strengthened application security by 15% through secure development practices, access controls, and architecture improvements.
- Designed modular application services, domain models, REST APIs, and data-access components to support scalability, maintainability, and long-term platform evolution.

**Tech Stack:** C#, ASP.NET Core, EF Core, ABP Framework, SQL Server, Azure DevOps, Git, DDD, Clean Architecture.

## **Senior .NET Full-Stack Developer — Banking Systems, Omdurman National Bank (ONB)**

*Khartoum, Sudan | Feb 2020 – Mar 2022 (2 yrs. 2 mos.)*

- Architected and executed the modernization of critical banking applications from .NET Framework to .NET Core, improving API integration performance by 25%.
- Designed and integrated secure REST and SOAP services connecting internal banking systems with external partners and enterprise services.
- Refactored legacy codebases using Domain-Driven Design, clean-code principles, and modular architecture, improving operational efficiency by 20%.
- Delivered data-driven web applications using ASP.NET Core, EF Core, Razor, SQL Server, and PostgreSQL.
- Improved internal user satisfaction by 15% through performance enhancements, usability improvements, and iterative feedback.

**Tech Stack:** C#, ASP.NET Core, .NET Framework, EF Core, PostgreSQL, SQL Server, Razor View, Bootstrap, Git.

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## **Full-Stack .NET Developer — Government Systems, National Information Center (NIC-Sudan)**

*Khartoum, Sudan | Jan 2017 – Jan 2020 (3 yrs. 1 mos.)*

- Built and maintained enterprise government applications using ASP.NET, SQL Server, JavaScript, and N-Tier architecture.
- Translated complex government and operational requirements into maintainable technical solutions in collaboration with business analysts and infrastructure teams.
- Contributed to solution design, database development, application architecture, and production support across multiple government systems.
- Improved legacy application performance and usability through backend optimization, query tuning, frontend enhancements, and architectural refactoring.

**Tech Stack:** C#, ASP.NET Web Forms, SQL Server, JavaScript, jQuery, HTML5, CSS3, N-Tier Architecture.

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## **Teaching Assistant — Computer Science & Programming, Gedarif University**

*Gedarif, Sudan | Apr 2014 – Apr 2016 (2 yrs.)*

- Delivered undergraduate coursework in C#, object-oriented programming, data structures, algorithms, and software engineering fundamentals.
- Simplified complex programming concepts through practical examples, applied exercises, and guided development projects.
- Supported students in strengthening their problem-solving, programming, and software development skills.

## CORE EXPERTISE

- Enterprise Integration Architecture & Platform Design
- Azure-Native Serverless & Event-Driven Systems
- Marketplace, Payment, Loyalty, and B2B Integrations
- API Design, API Management, REST, SOAP, and Webhooks
- Distributed Messaging and Workflow Orchestration
- Observability, Reliability, and Production Engineering
- Data Integration, SQL Architecture, and Performance Optimization
- Secure Integration using OAuth2, Key Vault, Identity, and Access Controls
- Agentic AI, MCP Servers, Tool Calling, and Multi-Tool Orchestration
- CI/CD, Monitoring, Incident Response, and Production Support

## TECHNOLOGY STACK

- **Cloud & Infrastructure:** Microsoft Azure: Functions, Logic Apps, Service Bus, API Management, Storage, Monitor, Key Vault, App Configuration, Static Web Apps AWS: Lambda, S3, SQS (*Marketplace integrations*)
- **Backend & APIs:** C#, .NET 8, ASP.NET Core, REST APIs, Webhooks, Dapper
- **Messaging & Architecture:** Azure Service Bus (Queues & Topics), Event-Driven Architecture, Logic Apps Orchestration, Boomi iPaaS
- **Data & Pipelines:** SQL Server, PostgreSQL, Azure Synapse, Azure Data Factory, Stored Procedures, TVP, MERGE Patterns
- **Observability & Reliability:** OpenTelemetry, Application Insights, Distributed Tracing, Structured Logging, Polly (Resilience Policies)
- **DevOps & Tooling:** Azure DevOps, GitHub Actions, Git
- **AI and Agentic Systems:** Azure AI Foundry, Model Context Protocol, MCP Servers, Tool Calling, Multi-Tool Orchestration, Structured Tool Output, Prompt Engineering

## EDUCATION

**Bachelor of Science in Computer Science**, Al Qadarif University, Faculty of Computer Science and Information Technology | Graduated April 2014.

## LANGUAGES

- **Arabic:** Native
- **English:** Professional working proficiency



## PROFESSIONAL RECOMMENDATIONS

- **Mr. Mohammad Al Haj, Head of E-Commerce Partnerships @ Abdullah Al-Othaim Markets.**

"I had the pleasure of working closely with Mubarak on several marketplace integration projects at Al Othaim, including Amazon, Noon, and Hungerstation. From the start, he brought a sharp technical mind, clear communication, and a deep understanding of API structures and backend workflows. What really stood out was his ability to troubleshoot complex issues under tight deadlines and collaborate effectively across business and tech teams. Thanks to your efforts, we successfully launched integrations that directly impacted our e-commerce performance and operational efficiency, no doubt that Mubarak is a rare mix of technical excellence and team spirit — any organization would be lucky to have him."

- **Mr. Ahmad Osta, Web Applications Section Manager @ Abdullah Al-Othaim Markets.**

"I am delighted to recommend Mubarak for his exceptional skills and contributions. he is a valuable asset and added value to any development team. he is always willing to share his knowledge and support team members, fostering a positive and productive work environment."

- **Mr. Mohammed Daggas, Technical Delivery Manager @ SITE.**

"Mubarak is one of the best Developers that i have worked with, he gives meaning to the sentence "just think it and I'll do it ".

Extremely knowledgeable in what he does and always looking to improve, anyone would be lucky to have him in his team."

- **Mr. Abdulaziz Alshahrani, Head of E-Services @ Ministry of Energy (KSA).**

"Mubarak is one of excellent expert developers in .Net stack and other technical domains, he always shows the best effort in any task be assigned to, i wish him all best in his career path."