

MUBARAK ELAGIB

Senior Integration Engineer | Integration & Solution Architect

Azure | .NET | Agentic AI

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PROFILE

Senior Integration Engineer with 10+ years across retail, banking, government, energy, and fintech in Saudi Arabia and Sudan. Owns architecture, hands-on .NET delivery, cloud infrastructure, and production operations for an Azure-native integration platform connecting 400+ branches with 12+ partners. Builds reliable workflows across events, API polling, and partner-controlled orchestration. Extends this work with a production AI support agent for e-commerce operations.

PROFESSIONAL EXPERIENCE

Sep 2023 - Present

Riyadh, Saudi Arabia

Senior Integration Engineer | Azure Integration Architecture Abdullah Al-Othaim Markets

- Own the integration platform end to end: architecture, Azure infrastructure, .NET implementation, data pipelines, CI/CD, observability, and production support.
- Reduced manual order handling by 40% through automated integration workflows. Connect Amazon KSA, Noon, HungerStation, Jahez, AliExpress, and Trendyol with internal business systems.
- Build distinct Amazon Marketplace, FBA, and Seller Flex workflows, including AWS-to-Azure event flows using SQS, Lambda, and Service Bus, with separate S3 invoice and report pipelines.
- Automate inventory, pricing, and promotion synchronization through data pipelines, with validation and recovery controls to limit the impact of incorrect or incomplete updates.
- Reduced partner onboarding time by 60% through a shared API contract and partner adapters. Integrate STC Qitaf, Al Rajhi Bank Mokafaa, Tamara, Tabby, and Comarch CLM using APIM, OAuth2, and Key Vault.
- Standardize OpenTelemetry tracing and Polly resilience policies across 15+ services, with correlation IDs and application-level idempotency checks to support incident investigation and recovery.
- Built the production Marketplace Support Agent using Azure AI Foundry and a custom MCP server on Azure Functions. Typed tools query stored procedures across six partners, including Speedi and Nana.
- Deliver bilingual Arabic/English responses with operational cards rendered directly from structured tool output, keeping order data separate from generated explanations.

Jun 2022 - Aug 2023

Riyadh, Saudi Arabia

Senior Software Engineer | Backend and Architecture SITE

- Designed and delivered the Energy Information Center Platform for the Saudi Ministry of Energy using ASP.NET Core, ABP Framework, Clean Architecture, and Domain-Driven Design.
- Led backend implementation, REST API and domain-model design, performance optimization, and access-control improvements for a maintainable government platform.

Feb 2020 -
Mar 2022

Khartoum, Sudan

- **Senior .NET Full-Stack Developer | Banking Systems**
Omdurman National Bank

- Modernized business-critical banking applications from .NET Framework to .NET Core, reducing technical debt while maintaining operational continuity.
- Built secure REST/SOAP integrations and data-driven applications using ASP.NET Core, EF Core, SQL Server, and PostgreSQL; improved performance and usability through refactoring and user feedback.

Jan 2017 -
Jan 2020

Khartoum, Sudan

- **Full-Stack .NET Developer | Government Systems**
National Information Center

- Developed enterprise web applications for government departments using C#, ASP.NET, SQL Server, JavaScript, and modular N-tier architecture.
- Worked with business analysts and infrastructure teams to turn operational requirements into deployable systems, contributing to database design, optimization, and production support.

Apr 2015 -
Dec 2016

Khartoum, Sudan |
Remote

- **Freelance Software Developer**
Self-employed

- Delivered custom web applications, database-driven systems, and internal tools for small businesses and individual clients using C#, ASP.NET, Entity Framework, SQL Server, and JavaScript.
- Managed requirements, database design, development, deployment, and ongoing client support independently.

Apr 2014 -
Apr 2015

Gedarif, Sudan

- **Teaching Assistant | Computer Science and Programming**
Gadarif University

- Taught C#, object-oriented programming, data structures, algorithms, and software engineering. Led practical labs and mentored students on coursework and software projects.

TECHNICAL EXPERTISE

Engineering: C#, .NET 8, ASP.NET Core, REST/SOAP APIs, EF Core, Dapper, DDD, Clean Architecture.

Cloud and integration: Azure Functions, Logic Apps, Service Bus, API Management, Event Grid, Key Vault; AWS Lambda, SQS, S3; Boomi.

Data and delivery: Azure SQL, SQL Server, PostgreSQL, Synapse Analytics, Data Factory, stored procedures, Azure DevOps, GitHub Actions, CI/CD.

Reliability and AI: OpenTelemetry, Application Insights, Azure Monitor, Polly, idempotency, Azure AI Foundry, Model Context Protocol, tool orchestration.

EDUCATION AND CERTIFICATION

B.Sc. in Computer Science | Gadarif University | Apr 2014

Boomi Certified Integration Professional | 2024

COMMUNITY AND LANGUAGES

Co-founder, Sudanese Initiative For Open Training | Sep 2017 - Sep 2019

Co-founded a community initiative providing free technical training and mentorship for Sudanese graduates.

Mentor / Speaker | 2019 | Sudan

Mentored graduates at Zafar Training Center and delivered technical training and mentoring at the National Information Center.

Write in Arabic about integration architecture, distributed systems, and Agentic AI.

Arabic: Native | English: Professional working proficiency