

Bader Ba-Marae

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EDUCATION

Bachelor of Science in Computer Science

Prince Musaid bin Abdulrahman University

Aug 2024 – Present

Foundation Program

Apple Developer Academy

Oct 2025 – Nov 2025

TECHNICAL SKILLS

Languages: C#, Java, Python, Dart, XAML

Frameworks & Platforms: .NET, ASP.NET Core, Entity Framework Core, WPF, Flutter

Tools: Azure, GitHub, Visual Studio, Visual Studio Code, JetBrains Rider

PROJECTS

RegTech Copilot AI

Amad Hackathon

Native Windows desktop application for reviewing Saudi e-invoices against ZATCA VAT, e-invoicing, and government procurement rules.

- Built an invoice compliance review workflow backed by on-premise AI infrastructure to evaluate e-invoices against ZATCA and procurement regulations.
- Implemented an audit report generator using QuestPDF and WebView2 to preview and export summary or detailed PDF compliance reports.
- Added drag-and-drop invoice import and automated folder monitoring with desktop notifications to detect and ingest new invoice files.

Siraj

Microsoft Store

Native Windows desktop application calculating global Islamic prayer times, countdown notifications, and digital Tasbeeh counts.

- Implemented an offline prayer-time calculator in C# supporting 8 regional calculation methods to provide accurate daily schedules worldwide.
- Integrated city search and automatic location detection using the OpenStreetMap API and Windows geolocation services for multi-city tracking.
- Built a WinUI 3 interface featuring system tray controls, desktop notifications, Athan audio alerts, and an interactive Tasbeeh counter.

Rifq

Tuwaig Academy

Cross-platform Flutter mobile application for family elderly caregiving, 24/7 shift coordination, medication tracking, and AI-assisted care queries.

- Designed a caregiving schedule interface featuring a weekly calendar, 24-hour family shift rosters, and shift-swap requests to coordinate daily coverage.
- Built medication and doctor appointment trackers with validated input forms, category filtering, and daily adherence progress tracking.
- Integrated the Sanad AI assistant using Azure OpenAI to answer family caregiving questions based on recorded prescriptions and clinic visits.

Salem

Open-source

Discord AI companion bot in C# tailored for medical students with Arabic text chat and image generation.

- Built an event-driven Discord bot in C# using DSharpPlus to handle Arabic commands, message reactions, and channel replies.
- Implemented conversational AI using Azure OpenAI to analyze text prompts and attached images while maintaining chat history for medical students.
- Added prompt-based image generation through Azure OpenAI to create and upload custom illustrations directly into Discord threads.

CERTIFICATIONS

AI Solutions Program with Google

Tuwaig Academy

Jul 2026

Mobile Application Development Bootcamp using Flutter

Tuwaig Academy

Aug 2026 – Sep 2026