TAREQ DABAAN

Software Engineer
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SUMMARY

Software Engineer with 3+ years of experience specializing in ASP.NET Core. Experienced in designing scalable systems, RESTful APIs, microservices, database architectures, and system integrations. Strong understanding of software architecture, system design, clean architecture, performance optimization, and building maintainable production systems. Certified in AWS Developer – Associate and Microsoft Azure Database Administrator.

PROFESSIONAL EXPERIENCE

Software Engineer — Apr 2025 – Present
SUHOB Integrated Computer Solutions — *Kuwait*

AI-Powered HR Assistant (Proof of Concept)

- Designed and built the .NET 9 backend for a bilingual (English/Arabic) AI HR assistant, acting as the security and business-rules layer between a Flutter mobile app and a LangChain AI agent (~15 endpoints, 9 SQL tables and an admin portal)
- Implemented Microsoft Entra ID authentication (JWT Bearer for the app and agent, OpenID Connect for the admin portal) with database-backed role-based access control; the agent's tool calls reuse the user's own token, so the AI can never act beyond the user's permissions
- Built real-time WebSocket channels for streaming AI chat (relaying the agent's SSE stream) and speech-to-speech voice (a bidirectional audio relay to Azure OpenAI real-time), with keep-alive, retry/backoff, session management and transcript persistence
- Implemented concurrency-safe leave-management rules with an approval workflow, and an attendance API for the agent's tools with bilingual Arabic/English fuzzy name search, per-user rate limiting and audit logging
- Integrated the agent's retrieval-augmented generation (RAG) citations: relayed sources to the app in real time, stored them with on-demand signed links, and built an admin library for managing the documents the AI answers from

Ministry of Health, Kuwait – Data Entry System & Data Warehouse Integration

- Developed a custom ASP.NET control panel for KPI data entry with AI integration (Azure OCR), feeding the Qlik dashboards used by the Ministry of Health
- Contributed to building and maintaining the data warehouse behind the dashboards; created SSIS packages to extract, transform, and load data from multiple sources, including an Oracle database and the KPI control panel
- Designed and scheduled automated SQL Server jobs that refresh data every 15 minutes, keeping dashboards near real-time
- Developed and configured Mirth Connect channels to process, transform, and route HL7 v2 messages for interoperability across all Kuwait hospitals
- Implemented JavaScript transformers to parse HL7 segments (MSH, PID, PV1, AIS, SCH, NTE, OBX) and extract clinical and administrative data, with encryption and decryption inside the channels for secure end-to-end communication

Private Universities Council (PUC), Kuwait – Student Registration & Scholarship Platform

- Developed and maintained features in a microservices-based ASP.NET Core platform where around 12,000 students per admission cycle apply for scholarship plans at private universities
- Implemented a new plan type (private funding) by extending the application workflow: eligibility rules, university and major selection, and document upload
- Tested and validated the seat-allocation process that ranks applicants by GPA and assigns seats per major, using SQL Server stored procedures
- Worked with the PACI (Kuwait Mobile ID) authentication service integration and documented registration eligibility rules for the project manager
- Configured and published admission plans each cycle, and redesigned the admin application-review interface (Arabic, RTL)

National Cyber Security Center, State of Kuwait – Vulnerability & Incident Reporting Platform

- Architected and implemented a custom vulnerability and incident reporting platform
- Implemented a role-based access control system with four distinct user types and granular permissions
- Integrated automated email notifications and status tracking to ensure efficient handling of reports

Ministry of Education, Kuwait – GIS Mapping Platform

- Designed APIs for the mobile app and core business logic for school and center mapping services on a large-scale GIS platform
- Refactored and enhanced existing APIs into a cleaner layered architecture while preserving legacy routes and response formats for production compatibility
- Integrated PostgreSQL/PostGIS queries to handle geospatial data, facility boundaries, map pins, and location-based filtering

Web Developer — Dec 2024 – Apr 2025

WABA International Commercial Company — *Kuwait*

- Developed features and provided ongoing support for the company's Shopify e-commerce store using Liquid, HTML, and CSS
- Built a smart cart feature that shows customers product recommendations directly in the cart
- Wrote Python web-scraping scripts to collect data for analytics

Backend Developer Intern — Aug 2023 – Aug 2024

Remostart — *Remote*

- Developed a web and mobile platform connecting patients with healthcare providers (doctors, pharmacies) in the UAE, as part of a team of 4 developers
- Designed and implemented a secure, scalable PostgreSQL database and robust RESTful APIs using Python, Django, and Django REST Framework
- Optimized backend architecture and API performance for a seamless user experience
- Handled geospatial data with GeoDjango and PostGIS; tested APIs with Postman and used Git and Docker in the development workflow

Technical Skills

ASP.NET Core, ASP.NET MVC, ASP.NET Web API, Python, Django, Django REST Framework (DRF)
SQL (MySQL, PostgreSQL)
Microsoft Azure, Docker & Containerization
Postman, Swagger
Git, Jira, Agile Methodologies, UML Diagrams, Design Patterns, OOP

Certifications

AWS Certified Developer – Associate | *Amazon Web Services* | 2026
Microsoft Certified: Azure Database Administrator Associate | *Microsoft* | 2026
Microsoft Certified: Azure AI Engineer Associate | *Microsoft* | 2025
Backend Developer | *Remostart* | 2024

Education

Homs University — Homs, Syria
Bachelor's in Information Technology Engineering – Software Engineering — *2019 – 2024*