ADEEB WAIZ

AI Engineer | Full-Stack Software Engineer
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PROFESSIONAL SUMMARY

Applied AI engineer with nearly 4 years of full-stack experience, building LLM features for market research and restaurant ordering products in UAE.

SKILLS

Languages & Frameworks: Python, TypeScript, JavaScript, C#, .NET Core, ASP.NET Core, Angular, React, Next.js, Node.js, Express

AI & LLM: Azure OpenAI, LangChain, RAG, pgvector, tool calling, structured outputs (Pydantic, Zod), vision models for document extraction, Ollama (local models), prompt versioning, LLM evaluation with pytest

Data: PostgreSQL, SQL Server, MySQL, MongoDB, Dapper, Entity Framework

Cloud & DevOps: Azure (App Service, Functions, Application Insights), AWS, Docker, Terraform, GitHub Actions, n8n, Playwright

WORK EXPERIENCE

Market-i Research Consultancy, Dubai, UAE **Jan 2025 – Present**
Full-Stack & Applied AI Engineer

- Trained an XGBoost model on Azure OpenAI embeddings for 18 months of survey data like speed of answers, identical answers across the grid, copy-pasted or AI-written text, repeat answers to flag low-quality respondents before analysis.
- Built a WhatsApp ordering agent for two restaurant clients (WhatsApp Business API, Azure OpenAI tool calling) that takes orders in Arabic and English and sends a payment link, prices and stock always come from the ordering platform's API and 30% of their WhatsApp orders now need no staff waiting.
- Built menu import for the ordering platform, restaurants upload a PDF or photo, a vision model extracts items, prices and add-ons into a fixed Pydantic schema, and staff review it before it goes live. New restaurant setup went from 2 days to a few hours.
- Moved the AI features that handle survey respondents data to a UAE-hosted Azure OpenAI deployment so data is processed in-country, features with no personal data stayed global deployment.
- Set up Azure Application Insights monitoring for the AI features, tracking response time and token cost per feature against a monthly budget.
- Setup a test case agent that runs on every pull request (GitHub Actions, Azure OpenAI), it writes unit tests (pytest, xUnit) for the changed code, then keeps only those that compile and pass all the security checks.

Intelpeek, Dubai, UAE **Jun 2023 – Jan 2025**
Full-Stack Developer

- Built and maintained REST microservices in .NET and Node.js behind the company's client-facing web applications, handling thousands of requests a day.
- Migrated legacy backend services to .NET Core and added indexes for the slowest database queries, cutting average API response time by about 40%.
- Built responsive Angular and React front ends, using optimistic updates so common actions show instantly while the server confirms them.
- Set up GitHub Actions pipelines that run unit, integration and end-to-end tests on every pull request, so regressions were caught before release.
- Reviewed teammates' pull requests and wrote down the team's coding standards as the codebase grew.

VAI Marketing Management, Dubai, UAE **Nov 2022 – Jun 2023**
Web Developer Intern

- Built a payroll service (ASP.NET Core, MySQL) for employee records and salary calculations, cutting payroll processing time by about half.
- Rebuilt the main product dashboard in Next.js with Redux for state management, making the first page load faster and the code easier to maintain.

- Built a standalone Web3 app (Next.js, MongoDB) for a client, separate from the main product.

PROJECTS

Queryline: plain-English questions to SQL | .NET, Azure OpenAI, Dapper, Angular nl2sqlai.netlify.app

- Built a tool that turns plain-English questions into SQL and shows the query next to its results, so non-technical users can pull their own numbers and see exactly what ran.
- Gave the model only the schemas of tables each user may query, and ran every query as a read-only user.

RAG document assistant | Python, LangChain, pgvector, Ollama

- Built a question-answering tool over 500+ internal documents that runs fully on-premise, with a local model through Ollama and a pgvector index, so no document text is sent to an external API.

OVERFLOW: lead finder for UAE small businesses | Python, Playwright, n8n, MongoDB leadgenae.netlify.app

- Built a scheduled pipeline that finds UAE businesses with strong demand but no website or booking system (e.g. thousands of reviews and no site), then cleans and de-duplicates the records in MongoDB.
- Runs as an n8n workflow with retries on timeouts and an alert when a run fails, collecting around 10,000 records a week.

EDUCATION

Bachelor of Computer Science **2019 – 2023**

Birla Institute of Technology and Science (BITS Pilani), Dubai Campus, UAE

Honours: 2nd place, Capture the Flag competition (30 teams); 3rd place, TECH Hackathon (10 teams)