

HAMZAH ASSAF

Software Developer | Full-Stack | Backend | Cloud

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PROFILE

CS graduate who builds and ships production software. Two deployed full-stack applications with live users, AI API integrations, JWT auth, Docker containerisation, and CI/CD pipelines. AWS certified. Currently working in AI operations evaluating LLM outputs, bringing first-hand understanding of AI system behavior to every project. Immediately available for remote work.

TECHNICAL SKILLS

Backend: C#, .NET 8, ASP.NET Core, REST APIs, Entity Framework Core, Dependency Injection, Repository Pattern, Async/Await, Middleware, LINQ, Multithreading

Frontend: React, Angular (v19), TypeScript, JavaScript, HTML, CSS, Tailwind CSS, Vite, Axios

Databases: PostgreSQL, SQLite, SQL Server, EF Core Migrations

Cloud & DevOps: AWS (EC2, S3, IAM, VPC, CloudWatch, CloudFormation, CLI), Docker, GitHub Actions, CI/CD, Render, Vercel

Auth & Security: JWT Bearer Tokens, Google SSO / OAuth, Role-Based Authorization

AI & APIs: Google Gemini API, Unsplash API, LLM output evaluation, Swagger / OpenAPI

Testing: xUnit, Playwright, Proxyman

Tools: Git, GitHub, AI-assisted development (Claude Code, OpenAI Codex), Azure DevOps

PROJECTS

RecipeVault Full-Stack Web App with AI Integration

2025

- Built a full-stack application: ASP.NET Core Web API + React + Vite + Tailwind CSS. Entity Framework Core with SQLite, JWT authentication, RESTful API design.
- Integrated Google Gemini API for AI-powered recipe generation and Unsplash API for dynamic imagery.
- Containerised with Docker, deployed on Render (backend) and Vercel (frontend). Built using Claude Code as AI pair-programmer.
- **Live:** [Frontend](#) | [Backend API](#) | [GitHub](#)

Mini Library Management System Backend API + Auth + CI/CD

2025

- .NET 8 / ASP.NET Core REST API with EF Core, PostgreSQL, JWT auth, Google SSO, role-based authorisation, and Docker deployment on Render.
- GitHub Actions CI/CD pipeline. Built using OpenAI Codex as primary development tool.
- **Live:** [Frontend](#) | [Backend API](#)

EXPERIENCE

AI Quality Engineer — Invisible Technologies (Contractor)

2025 – Present

- Evaluate AI model outputs against strict technical specifications, focusing on edge-case detection, logical consistency, and failure-mode analysis.
- Document defects with clear reproduction steps and apply iterative quality improvements across evaluation cycles.
- Hands-on understanding of LLM behavior, prompt-response patterns, and AI system reliability — directly applicable to AI-assisted development and AI product roles.

Technical Support Manager — Contract

2018 – 2019

- Troubleshoot technical issues via remote tools and CRM; wrote clear reproduction steps and collaborated with engineering teams on resolutions.

EDUCATION & CERTIFICATIONS

- **B.S. in Computer Science** — Lebanese International University, Beirut (2021–2024)
- **AWS Certified Cloud Practitioner** — EC2, S3, IAM, VPC, CloudWatch, CloudFormation, CLI (Dec 2024)
- Docker Certified Associate (Aug 2024) • Simplilearn Certified DevOps Engineer (Sep 2024)

Languages: English (fluent) • Arabic (native)