Abdullah B. Aqeel

Full Stack AI Engineer | LLM/RAG · Agentic Systems · TypeScript & Python

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SUMMARY

Full stack AI engineer who ships production LLM and agent systems end to end: React/Next.js front ends, Node.js/FastAPI services, RAG pipelines and MCP integrations, deployed on AWS, Vercel and Firebase. Works directly with clients to scope the real problem, then builds, ships and operates the solution.

WORK EXPERIENCE

AI Solutions Engineer | Lumy Labs — MAVIS Agent Platform **May 2026 – Present**

Embedded with SMB clients in real estate, legal and investment management on MAVIS, a multi-tenant platform pairing human operators with Claude Code agents.

- **Discovery → spec:** Run discovery with client owners to turn "we need an agent for X" into scoped automations with defined inputs, exceptions and success checks.
- **Architecture:** Convert costly recurring agent runs into typed workflow graphs (13–26 steps) with approval gates, sandbox runs and versioned rollback; rebuilt a monthly QuickBooks → SharePoint Revenue & NOI report as pure code, no LLM.
- **Day-2 AI ops:** Added token-free precheck probes to polling agents, cutting one watcher from ~190 to ~38 runs/day (~80%); traced an agent burning ~$38/day on a self-corrupted API cursor.
- **Integration:** Built connectors across Microsoft Graph, QuickBooks, Google Workspace and WhatsApp Business, including a Meta webhook relay and an engine patch for binary attachments in workflow steps.
- **Reliability:** Led the Railway → AWS migration test campaign (ALB, WebSocket workers, scheduler), verifying against the DB audit trail; surfaced identity, auth-expiry and duplicate-scheduler bugs.
- **Enablement:** Write plain-language root-cause reports and train client staff to test, arm and own their workflows.

Associate Full Stack AI Engineer | MyndEdge **May 2025 – Jun 2026**

- Owned delivery of multiple investor-backed AI products from business requirements to production, without dedicated product management.
- Architected RAG, LLM and NLP pipelines behind React/Next.js front ends and Node.js/FastAPI services, shipping generative-AI features for personalization and real-time feedback.

PROJECTS

- **GO, AI Women's Health Companion:** LLM/RAG assistant for cycle prediction and personalized insights, with role-based auth (Next.js 15, FastAPI, TypeScript).
- **INSAF, AI Legal Assistant:** iOS/Android legal guidance app with end-to-end encrypted documents on a serverless Firebase backend (React Native/Expo).
- **HouseHoppers:** Real-estate investment platform with ROI tracking and user-scoped REST APIs (React 19, Express, PostgreSQL).

SKILLS

AI & Agents: LLM apps, agentic workflows, tool calling, MCP, RAG, LangChain, context & spec engineering, human-in-the-loop gates, Claude Code, Codex CLI
Languages: TypeScript, JavaScript, Python, SQL, C#, C++
Backend & Integration: Node.js, Express, FastAPI, Django, REST, webhooks, event triggers, Microsoft Graph, Pipedream Connect, PostgreSQL/Supabase (RLS), Redis, vector DBs
Frontend & Mobile: React, Next.js, React Native (Expo), Tailwind CSS
Cloud & Delivery: AWS, Google Cloud, Firebase, Vercel, Railway, Docker, GitHub Actions CI/CD
ML: PyTorch, TensorFlow, OpenCV, YOLO, BERT

EDUCATION

FAST NUCES — BS Computer Science **Sep 2021 – Jun 2025**

Lawrence University, USA — Computer Science, semester abroad **Jan 2023 – Apr 2023**

RESEARCH & AWARDS

Research Assistant: Skin cancer detection with CNNs and transfer learning **Jun 2024 – Feb 2025**

Winner, Ignite AI Wrapper (district level) · Winner, GDGoC LeetCode Challenge · ICPC 2024–25 **2025**