

Mohammad Abir Abbas

AI Architect · Solutions Engineer · Platform Engineer

Dubai, UAE · Open to KSA & remote · UAE Company Visa (no sponsorship)

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Location: Dubai, UAE · Available Q3 2026 · UAE Company Visa (no sponsorship required)

PROFESSIONAL SUMMARY

AI Architect, Solutions Engineer, and Platform Engineer based in Dubai, UAE. I deploy AI agent workflows (LangChain, AutoGPT, RAG, GPT-4/4o), process automation, and cross-cultural product engineering for GCC enterprise and global remote teams — covering the UAE (Dubai, Abu Dhabi), Saudi Arabia (Riyadh, NEOM), and worldwide remote engagements. Currently AI Solution Architect at Famous Abaya LLC where the Delivery Module recovered AED 111,246 of trapped backlog in 30 days at 11.1:1 V:C. MIT Hacknation 2026 Next Best (SmartSwap). Redis Side Quest Winner 2024 (RedAGPT). 325K+ Medium readers. Co-founder Deep Blue Digital. Chief Technical Advisor at Wavelink. Available Q3 2026.

EXPERIENCE

Chief Technical Advisor

Wavelink — Smart NFC Networking | Jan 2025 — Present

- Engineered smart NFC networking solutions to replace paper business cards; drove GDPR-compliant data policies for 100% day-one compliance.
- Designed GTM strategy and partnership funnels aligned to 2025–26 roadmap.
- Lead technical advisor across the Wavelink platform stack (NFC, mobile, cloud sync).

Co-Founder

Deep Blue Digital — AI Commerce Automation | Sep 2024 — Aug 2025

- Integrated AI-powered payment systems (Engaze.ai) for 50+ sellers, reducing processing time by 40%.
- Built automated marketing pipelines using Midjourney + Zapier, cutting Customer Acquisition Cost by 30%.
- Instrumented full-funnel analytics to attribute performance to specific creative variants.

IT Support Engineer

HNM IT Solutions — Frankfurt, Germany | Oct 2023 — Jan 2024

- Hardened distributed networks, maintaining 99.9% uptime for enterprise environments.
- Built automated diagnostic tests and MTTR playbooks, reducing resolution time by 35%.

Education Mentor

Quantum School Bangladesh | May 2025 — Aug 2025

- Mentored 20+ students on systems thinking and project delivery; structured capstone reviews.

KEY PROJECTS

AbaYa-Track — Production Visibility (Dubai abaya factory) | 2025–2026

- End-to-end production visibility system at Famous Ladies Gowns Tailoring LLC: mobile time-tracking per unit, real-time bottleneck detection, value-weighted delivery dashboard.
- The Delivery Module surfaced AED 111,246 of trapped backlog in 30 days at 11.1:1 value-to-cost ratio.
- Combined production output rose 38%; on-time delivery moved from 65% to 92% with zero additional hires.
- Tech: Electron, Node.js, Express, Socket.IO, Cloudflare Workers, sql.js. github.com/mdabir1203/famousabaya

SmartSwap — MIT Hacknation 2026 (Next Best Project)

- Built SmartSwap in 24 hours with Team Xerox at MIT Hacknation 2026, hosted by the MIT Sloan AI Club with 1,000+ devs from 65+ countries.
- Drop-in client-side intent engine for e-commerce; reads URL signals (UTM, referrer, campaign tags), scores visitors against 7 behavioural personas in <50ms.
- Dynamically swaps hero images, headlines, CTAs; includes rage-click and exit-intent detection. smartswap.lovable.app

RedAGPT — Redis Side Quest Winner 2024

- Open-source AutoGPT + Langchain toolkit for AI-driven network vulnerability scanning with severity-ranked remediation reports. github.com/shamantechnology/RedAGPT

SmartSwap Whitepaper — Personalization Without Servers

- Authored a technical whitepaper on the trade-offs of client-side intent engines vs. server-side personalization. Distributed at MIT Hacknation 2026.

EDUCATION & CERTIFICATIONS

- MSc Computational Methods of Engineering — Leibniz University Hannover, Germany (2019)
- BSc Mechanical Engineering — Chittagong University of Engineering & Technology (2013–2018)
- 42 Wolfsburg — Peer-programming, C/C++ systems (2022–2024)
- Langchain + Autonomous GPT Agents Hackathon — Certificate
- Jira Fundamentals Badge — Atlassian
- IELTS 7.5 — English
- Goethe-Zertifikat A2 — German
- Bengali — Native
- Arabic — Working proficiency (GCC-market ready)

TECHNICAL SKILLS

- AI / ML: AI Agent Workflows · LangChain · AutoGPT · GPT-4/4o · RAG · Prompt Engineering · Multi-agent Systems · MLOps · Edge AI
- Frontend / Mobile: React · React Native · TypeScript · Next.js · TailwindCSS · i18n (EN/AR/BN/DE)
- Backend: Node.js · Express · Cloudflare Workers · D1 · KV · R2 · Socket.IO · REST · Webhooks
- Systems: Rust · C · C++ · POSIX · Distributed Systems · SQLite · PostgreSQL · Redis
- Security: Network Vulnerability Scanning · Penetration Testing · MTTR Reduction · GDPR · PDPL · Data Localisation
- Strategy: Solutions Engineering · Platform Engineering · Developer Experience · GTM Design · Pipeline Optimisation · Process Automation · Cross-cultural GTM (13 countries) · Multilingual Product Engineering

AWARDS & RECOGNITION

- MIT Hacknation 2026 Next Best Project — SmartSwap
- Redis Side Quest Winner 2024 — RedAGPT

- 325K+ monthly readers on Medium
- 13 countries of cross-cultural GTM delivery