

# Mohammed Duraidi

## Senior Software Engineer

AI Automation & Product Engineering

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Senior software engineer and product builder focused on AI automation, MCP and tool integrations, and production-grade web platforms. I build systems that connect real workflows, permissions, dashboards, and business operations, not chatbot demos.

5× manufacturing throughput   300+ screens deployed   350+ clients in 4 months   Founded & exited a company

## EXPERIENCE

**Tarjama** · Senior Full-Stack Developer (acting Team Lead) Oct 2022 – Present

- Designed the company-wide micro-frontend architecture (Module Federation) for independent deploys.
- Lead engineering on Screens, a multi-tenant media-localization platform running localization end to end.
- Built an MCP server that lets AI assistants act on internal systems while enforcing each user's permissions; it powers a bilingual support assistant with RAG and intent classification.
- Lead the frontend of a governed, bilingual (EN/AR, full RTL) AI workspace; contribute to its fail-safe backend.

**Eon Dental** · MES / Automation Engineer Oct 2019 – Oct 2022

- Led plant automation at a global clear-aligner manufacturer: production tracking, quality control, OCR reporting, and machine-level (TCP) integration.
- Developed a Three.js 3D treatment viewer used by medical professionals; shipped as a reusable package.
- Result: 5× productivity growth, from about 2,000 to 10,000 aligners per day.

**Screem Network** · Founder (exited 2023) 2021 – 2023

- Founded a digital screen-advertising network in Jordan and built the full stack: advertiser dashboard, campaign management, screen operations, tracking.
- Grew to 350+ clients in the first 4 months and 300+ deployed screens; exited by selling my shares.

**SIMS Creation** · Full-Stack Developer Dec 2018 – Aug 2019

- First role after an immersive engineering program: built to customer spec and owned testing and QA.

## SELECTED AI / PRODUCT SYSTEMS

**Permission-gated MCP server for internal AI workflows (enterprise).** Contributed to an internal agentic-AI platform; built the MCP bridge that exposes core business operations to AI agents without ever exceeding the permissions of the person using them.

**AI travel-booking assistant (client project).** WhatsApp assistant that searches, prices, and books trips through a Dify chatflow and a custom MCP server; unknown questions escalate to a human, and ticketing stays behind protected internal endpoints.

**Institutional fintech + LLM platform (US client, de-identified).** Investor dashboards and KYC onboarding; owned the AWS infrastructure and LLM gateway with Terraform, and coordinated preparation for an independent third-party security review.

## TECHNICAL STACK

AI & Automation	MCP, OpenAI & Claude APIs, Dify, RAG, tool calling, permission-aware agents
Frontend	React, Next.js, TypeScript, micro-frontends, React Native, Three.js, Arabic/RTL
Backend & Platform	Node.js, Python/FastAPI, PostgreSQL, Redis, WebSockets, microservices, OCR pipelines
Cloud / DevOps	AWS, Terraform, Docker, GitHub Actions CI/CD, Vercel, Cloudflare

## EDUCATION

**RBK ~ Hack Reactor (San Francisco / Amman):** Immersive software engineering program, 774 certified hours (JavaScript + Python); entered with zero programming background.

**Applied Science University, Amman:** Telecommunication Engineering (incomplete).