Aws Abdulfattah

Senior Software Engineer & Technical Lead focused on payments, full-stack TypeScript and applied AI

awsdang@gmail.com +964 770 253 1435 Based in Baghdad, Iraq, open to relocation and remote roles https://awsdang.com

Profile

A builder at heart: Builds the teams that drives products from idea to production and keep them running as a senior software engineer and engineering leader. At Qi Card, Iraq's largest card issuer, built and shipped the Tasdid+ bill-payment app from scratch, plus an app for merchant transactions, settlements and payroll as part of the SuperQi super-app. Promoted to Senior within 16 months. As founding engineer of Cardy, leads all engineering, having built the team and led the full build of the app and its services. Before that, founded HAWSR, a 3D property-tour startup whose clients included DAMAC. Also built Sadeek, an AI listing assistant that reached more than 10,000 users.

Experience

2024-11 – Present

Qi Card
Senior Software Engineer
Iraq's largest card issuer, with 10M+ cardholders. Billing, merchant services and staff tools inside its SuperQi super-app, using Alipay mini-app technology.

- Built Tasdid+ from scratch in Svelte and TypeScript, integrating bill-payment providers and delivering QR receipts, money requests, subscriptions and merchant invoicing.
- Implemented payment-confirmation checks and safeguards against duplicate charges in Tasdid+.
- Supported external partner integrations through server-verified permissions, integration documentation and deep links to specific bills.
- Built Jabi+ merchant tools for transaction monitoring, statement exports and payroll, including salary components, bulk confirmation and per-employee results.
- Built e-Psule payment and receipt flows in Kurdish, Arabic and English and a React staff dashboard; contributed shared UI components and housing-loan application screens.

2025-09 – Present

Cardy
Founding Engineer & Technical Lead
Sports booking and membership platform with 200 venues, 4,000 subscribers and 30,000 app downloads.

- Built the engineering team and led a staged rebuild: added prepaid visits and monthly memberships to the existing app first, then led the Flutter rewrite.
- Migrated the live backend from PHP/MySQL to Bun, TypeScript and PostgreSQL. Built API-parity checks for responses and side effects, rehearsed the cutover, reconciled balances and documented the rollback plan.
- Unified the payment gateways behind one backend flow, with confirmation and duplicate-request checks before points are credited. Tested concurrent bookings, scans and credits using PostgreSQL and Redis.
- Rebuilt the Arabic React operations dashboard for settlements, exports and venue management. Delivered an Astro website in Arabic, English and Kurdish.
- Established CI/CD, isolated environments, monitoring and backups on Dokploy. Fixed a DNS/CDN issue affecting Iraqi networks and added caching to a slow API route identified through load testing.

2021 – 2024

HAWSR
Founder, Engineer & Team Lead

- Commercialized an architecture research project as a cross-device 3D property-tour platform. Built the viewer in React Three Fiber and Three.js, the Django backend and a Python/Dynamo model pipeline, with floor plans, measurements and annotations.
- Led a team of six and delivered about $60,000 in client projects, including work for DAMAC, the Dubai real-estate developer.
- Won first prize at The Station Foundation incubator in 2022.

2022-06 – 2024-01

Sifirtas
Software Engineer

- Audited the cloud infrastructure and cut hosting costs by 75% with no loss of performance.
- Automated CI/CD, taking release cycles from days to hours.
- Built an operations-management dashboard.
- Built a Telegram bot with webhooks and background workers to automate order tracking.

Languages

Arabic	**English**	**Dutch**
native	fluent	A2

Projects

2024

NotifyX
Push-notificationOpen-Source Project

- Created a unified push-notification API for FCM, APNs, HMS and Web Push, with scheduling, retries, invalid-token cleanup and delivery history in a React dashboard.
- Built SDKs for web, Flutter and React Native. Reused the service across five products and benchmarked a single worker at about 150 messages per second.

https://github.com/awsdang/notifyx

2026 — **Asheerty**
Solo Founder & Engineer

- Built an Arabic family-tree app for iOS, Android and web, with its own backend and a custom print editor. It supports offline edits and collaboration that the tree's owner reviews.
- Developing AI-assisted extraction of family relationships from paper trees, with user review, cycle checks and uncertain-link flags; integrating artwork approval and print fulfilment.

2024 – 2025 — **Maaahr**
Solo Builder

Built four connected Arabic/English apps for interview practice and hiring, with live voice interviews (OpenAI Realtime, Gemini Live), transcripts, feedback and hiring dashboards.

2023 – 2025 — **Sadeek**
Founder & Sole Engineer

AI listing assistant for online sellers: a Telegram bot plus a Next.js storefront.

- Reached 10,000+ users and processed 150,000+ AI requests. Turned product photos into edited images, descriptions, price suggestions and moderated listings.
- Replaced Sadeek's initial n8n workflow with retryable backend stages, model routing, caching and provider fallbacks to manage failures and API costs.

Education

2017 — **University of Technology**
Architectural Engineering · B.Sc. · Iraq

2020 – 2021 — **University of Ljubljana**
Information Management in Construction · Graduate studies · Slovenia
Erasmus scholarship recipient; studied online during COVID. Degree not completed because visa restrictions prevented in-person attendance.

2026 — **Turing College**
AI Engineering
Further learning

2024 — **MIT**
Machine Learning for Inverse Graphics & AI
Further learning

Skills

Backend
TypeScript, JavaScript, Python, Bun, Node.js, Express, Django, REST APIs

Data
PostgreSQL, Prisma, Redis, BullMQ

Web and mobile
React, Next.js, Svelte/SvelteKit, Astro, Three.js, React Native, Expo, Flutter, Alipay mini-apps

Payments and reliability
payment gateway integrations, idempotency, live data migrations, API parity testing

Delivery
Docker, GitHub Actions, CI/CD, Dokploy, monitoring and backups

Applied AI
OpenAI and Gemini APIs, realtime voice, AI workflows with model routing and fallbacks, background jobs

Awards

First prize — 2022
The Station Foundation incubator
Won with Hawsr

Expert contributor — 2024
World Bank Group Business Ready

Most Innovative Startup Founder in Baghdad — 2022
CS50x Baghdad

Orange Corners incubation Program - Sixth cohort — 2023
Orange Corners Baghdad
8 month incubation program, an initiative of the Kingdom of the Netherlands.