MHAMAD AHMAD

Full-Stack Developer | Node.js · TypeScript · React · MySQL

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PROFILE

Full-stack developer with 3+ years building and shipping production business software for real clients since 2023. Co-founder of 7X Devs, delivering 10+ ERP, POS, warehouse, dealership and retail systems end to end. Strong backend focus: REST APIs, relational schema design and accounting, inventory and debt logic. Also ships React dashboards, Electron desktop apps, Android apps and Telegram/Instagram bots, and deploys and runs his own production servers on AWS and Hetzner.

PROJECTS

7X POS SaaS (multi-tenant point-of-sale platform) *TypeScript, Node.js, Express, Knex, MySQL 8, Zod, Vitest, Supertest, React, TanStack Query, Electron, Puppeteer, AWS S3*

- Built solo a multi-tenant SaaS backend with a central platform database and per-shop databases selected per request by header.
- Shipped self-serve sign-up with 7-day trial and emailed verification, role-based web dashboard and an Electron cashier app.
- Implemented exact decimal money math, PDF receipts, Excel export and encrypted database backups with key management and runbook.

Al-Majd ERP *Node.js, Express, Knex, MySQL, React, Ant Design, AWS EC2, AWS S3, node-cron, Winston*

- Developed as lead developer a manufacturing ERP covering accounting, inventory, debt tracking and production workflows.
- Deployed on AWS EC2 with S3 file storage and migrated the backend and database to a new server.

Playtopia CRM and autopost bot *Next.js, TypeScript, PostgreSQL, PostgREST, Telegram Bot API, Instagram/Facebook Graph API, Hetzner VPS*

- Self-hosted a CRM on a Hetzner VPS using PostgreSQL, PostgREST and Next.js, with backups and scheduled jobs.
- Built a bot auto-posting Sorani Kurdish content to Instagram, Facebook and Telegram.

7x Lyrics (open source) *Kotlin, Android, Android Auto*

- Created an Android Auto app showing full-screen, time-synced YouTube Music lyrics with karaoke highlighting and Arabic/Kurdish RTL.
- Published as a public GPL-3.0 project with releases on GitHub.

EXPERIENCE

Co-founder & Full-Stack Developer — 7X Devs (software studio) *2023 – Present*

- Delivered 10+ client systems (ERP, POS, warehouse, dealership, retail) end to end, from requirements through release.
- Designed REST APIs and MySQL/PostgreSQL schemas; wrote accounting, stock-movement and debt logic.
- Deployed and operated backends on AWS (EC2, S3) and a Hetzner VPS with scheduled encrypted database backups.
- Provided production support directly to end users.

Mathematics Teacher — Fam Middle School *Aug 2025 – Jun 2026*

- Taught middle-school maths alongside full-time freelance development, explaining complex ideas clearly.

TECHNICAL SKILLS

Languages & Backend: TypeScript, JavaScript, PHP, SQL, Node.js, Express, Knex (migrations, query builder), REST API design, Zod validation, JWT auth, node-cron jobs
Databases: MySQL 8, PostgreSQL, Supabase, multi-tenant database-per-tenant design, Drizzle ORM, PostgREST
Frontend: React, Next.js, Vite, TanStack Query, React Hook Form, Ant Design, Tailwind CSS, i18n incl. RTL
Desktop & Mobile: Electron, Android (Kotlin), Android Auto, Flutter, Dart
DevOps & Infrastructure: AWS EC2, AWS S3, Hetzner VPS, Docker, Linux server administration, encrypted backups, Vercel
Testing, Integrations & Tools: Vitest, Supertest, Telegram Bot API, Meta Graph API (Instagram/Facebook), Puppeteer PDF generation, ESC/POS thermal printers, Git, Claude Code

EDUCATION & LANGUAGES

B.Sc. in Information Technology — Duhok Polytechnic University *2020 – 2025*
Languages: Kurdish (native) · Arabic (fluent) · English (professional)