

HAITHEM MUSTAFA

Full Stack Developer

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SUMMARY

Fullstack developer with 4 years of experience delivering complete web solutions. from marketing sites and portfolios to ecommerce platforms, internal business tools, and scalable backend systems. I work across the full development lifecycle: UI/UX implementation, API design, database architecture, and deployment. Comfortable building monoliths or breaking things into microservices when the project calls for it.

EDUCATION

Bachelor of Science in Computer Engineering

University of technology in Baghdad.

WORK EXPERIENCE

Project manager, Web developer at Blue company

Sept 2022 - June 2025

- Oversaw all technical operations and strategy for client web projects.
- Managed a remote team of developers and designers, delegating tasks and maintaining project timelines.
- Collaborated with clients to understand their goals and translate them into effective solutions.
- Implemented workflow improvements to boost team productivity and streamline project delivery.

Full Stack Developer at Alseraj Company

Jun 2024 - May 2025

- Managed web development lifecycle for Alseraj's main websites and partner platforms, handling frontend development, backend development, and DevOps .
- Developed web applications and optimized user experience across desktop and mobile platforms.
- Developed scalable backend systems including database design, API development, server-side logic, and data management for multiple client projects.

Full Stack Developer, Backend Team Lead at TORCH Company

Jun 2025 - Current

- Lead and supervise a team of backend developers, handling code reviews, task delegation, and technical decision making.
- Develop fullstack applications and backend systems for project management and business management platforms.
- Build real-time features and architect microservices for scalable, maintainable infrastructure.
- Took ownership of a streaming platform's backend, diagnosed issues, optimized performance, refactored problem areas, and shipped new features.

Full Stack Developer at The Studio (Remote)

Sept 2025 - Current

- Designed and developed the company's main website from scratch.
- Built a comprehensive business management system from the ground up, including:
 - Content management system (CMS)
 - HR management module
 - Task management system for internal workflows
 - Unified email integration pulling from Hostinger, Zoho, and Gmail inboxes
 - Client portal allowing customers to request services, linked directly to internal workflows with automated timelines

PROJECTS

Alseraj Company Website

- Built Alseraj's company website from design to deploy, with Next.js, React and Tailwind.
- Made it a fast, responsive PWA using HTTP/2, Open Graph tags, priority hints and Turbopack, tuned to load quickly on phones and desktop.
- Added the motion and feel, with page animations in Framer Motion and smooth scrolling with Lenis.
- Did the SEO: page structure, meta tags and speed, to help it rank.
- Deployed it to production with monitoring and an automated deploy setup.
- Wrote the site's content too, the copy, images, and the layout.

TAN Car Marketplace & Reels Platform

- Built the backend for TAN, a car-marketplace and short-video app, with Fastify and TypeScript. Split it into 16 modules (listings, reels, chat, payments, calls) over a 50-table Postgres database with Prisma.
- Set up the video side so each upload gets transcoded once into 360p/720p/1080p HLS. The heavy ffmpeg work runs in its own worker container so it never slows down the API, and failed encodes retry or get marked failed depending on the cause.
- Videos upload straight to S3 from the browser in parts, so the API never touches the raw files. The finished HLS gets pushed to S3/MinIO and served through a Bunny CDN.
- Did real-time chat and notifications over WebSockets, with end-to-end encrypted DMs and push notifications through Firebase and Apple.
- Handled the social feed, likes, comments, follows and blocks, with feed ranking, trending hashtags and view counts updated by background jobs on Redis/BullMQ.
- Wired up QiCard payments for promoted listings and verified badges, including renewals, refunds and click/view stats.
- Added full-text search across users, listings and reels, Arabic/English data throughout, HEIC image support, and the moderation tools (reports, appeals, logs).

Alshabaka Streaming Platform

- Architected and developed a scalable NestJS monorepo backend with 50+ feature modules, 43+ Sequelize models, and a multi-client controller pattern serving separate optimized APIs for web and mobile clients.
- Built a real-time watch history system using Socket.IO WebSockets with multi-device sync, offline queuing, and profile-based room isolation, and authored cross-platform client SDKs (TypeScript, React, React Native, Flutter).
- Designed a session-based auth system with Redis-backed sessions, Passport.js strategies, RBAC, OTP verification, QR-based TV authentication, and a guest-to-registered user upgrade flow with device persistence.
- Developed a media content pipeline supporting movies, series, TV shows, theater, and music with HLS streaming, CDN management, subscription-based access control, and content maturity filtering.
- Built the notification infrastructure using Firebase Cloud Messaging with topic-based subscriptions, per-profile dismissals, and multi-platform delivery.
- Containerized the full stack with Docker Compose (PostgreSQL, Redis, Elasticsearch, Kibana, Kafka, MinIO) with hot-reload development workflows and automated migration scripts.
- Developed the frontend using Next.js 15 with full trilingual support (English, Arabic, Kurdish) including RTL layouts, real-time Socket.IO integration, and responsive video playback.

The Studio System, Internal Business Management Platform

- Architected and built a full-stack business management platform with 8 integrated modules (CRM, HR, Tasks, Workspaces, Mailbox, Admin, Settings, and a companion Client Portal), using a Fastify 5 backend with domain-driven module design and a React 19 frontend.
- Developed a CRM engine with pipeline stage tracking, stage history auditing, follow-up scheduling, account analytics, Google Calendar sync, automated CRM ID generation, and bulk CSV import/export with duplicate detection and error reporting.
- Built a complete email management system with IMAP/SMTP integration, multi-account support, IMAP IDLE for real-time inbox push, encrypted credential storage, background cron sync, folder management, attachment handling, and template rendering.
- Implemented a task management system with workspace-based organization, drag-and-drop Kanban boards using dnd-kit, multi-assignee support, task approval workflows, and role-based visibility controls.
- Designed a dual JWT authentication system with httpOnly cookie storage, automatic token refresh with request queuing, 12-role RBAC with module-level and route-level access control, and a layered architecture (routes → handlers → services → repositories) with Prisma ORM and TypeBox validation.
- Engineered real-time WebSocket notifications with per-user broadcasting, exponential backoff reconnection, heartbeat keep-alive, and automatic TanStack Query cache invalidation on incoming events.
- Built an HR module with employee management, time-off and overtime request workflows with multi-stage approval, and work schedule management.
- Developed the frontend with React 19, Vite 7, TanStack Query, shadcn/ui, Lexical rich text editor, FullCalendar, Recharts analytics, and trilingual i18n (EN, FR, AR) with full RTL support.

The Studio System, Client Portal

- Designed and built an external-facing client portal as a standalone application within the same platform, allowing customers to register, request services, and track project progress in real time, linked directly to the internal team's CRM and task workflows.
- Implemented a separate authentication flow with dedicated portal JWT cookies, enabling dual-session support so staff can be logged into both the admin panel and client portal simultaneously.
- Built a service request system where clients select from a dynamic service catalog, submit multi-service requests with descriptions and notes, and track each request through status stages (Pending, In Progress, Review, Completed) with a visual project timeline.
- Developed real-time project updates using per-service-request WebSocket channels, pushing status changes, new notes, and deadline updates to the client instantly.
- Built an interactive onboarding tour system with spotlight overlays, step-by-step guided tooltips, and auto-navigation to walk new clients through the portal on first login.
- Implemented a project detail view with tabbed navigation for notes, timeline history, and service item breakdowns, with bidirectional note exchange between clients and the internal team.
- Developed the portal frontend with bilingual support (EN, AR), full RTL layout, Framer Motion animations, and a dashboard showing active projects, recent activity feed, and upcoming deadlines.

My Portfolio Website *(More Projects Listed Here)*

- Developed comprehensive portfolio platform showcasing full-stack projects with detailed case studies and technical implementations.
- Built responsive showcase interface featuring project galleries, interactive demos, and optimized user experience across all devices.

ADDITIONAL INFORMATION

- **Technical Skills:** Node.js, React.js, TypeScript, Fastify.js, Rust, Axum, WebSockets, PostgreSQL, Prisma, Technical SEO, Docker, DevOps, PHP.
- **Soft Skills:** Fast learning, Communication, Working with a team, and Management.
- **Languages:** Arabic, English