KHALED AHMED

Senior Full Stack Developer · Team Lead · AI Integration

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PROFESSIONAL SUMMARY

Senior Full Stack Developer with 5+ years building production web, mobile and SaaS systems for companies in the United Kingdom, Switzerland, the United Arab Emirates, Saudi Arabia and Egypt. Works mainly in TypeScript (Next.js, React, Node.js, NestJS) and PHP (Laravel), and ships LLM features inside real products: Claude API integrations, structured AI output, live speech-to-text and AI document analysis. Has led development teams as Scrum Master at Neo Soft Hub and as team lead at Xappee, running sprint planning, code review and releases. Founder and CTO of Barmagly, with 44 live projects across 8 countries and 9 Android apps on Google Play.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES2023), PHP 8, Python, SQL, Kotlin, Dart, C++, HTML5, CSS3

Backend: Node.js, Express, NestJS, Laravel, REST API design, WebSockets (Socket.IO, Laravel Reverb), BullMQ and Redis job queues, JWT, OAuth and Passport authentication, Stripe and MyFatoorah payments

Frontend: React, Next.js (App Router), Vite, Tailwind CSS, shadcn/ui and Radix UI, TanStack Query, Zustand, Redux Toolkit, Framer Motion, Three.js, RTL layouts and Arabic/English i18n

Mobile and Desktop: React Native, Expo, Android (Kotlin), Flutter, Electron, Google Play release management

Databases and ORMs: PostgreSQL, MySQL, MongoDB, Redis, Firebase, Prisma, Drizzle ORM, Mongoose, schema design, indexing and query tuning, multi-tenant data models

AI and LLMs: Claude API (Anthropic SDK), OpenAI API, prompt engineering, structured JSON output validated with Zod, tool calling and AI agents, retrieval-augmented generation (RAG), Model Context Protocol (MCP), speech-to-text (Deepgram), AI document analysis, AI-assisted development with Claude Code, GitHub Copilot and Cursor

DevOps and Cloud: Docker, GitHub Actions CI/CD, Linux VPS, Nginx, Apache, Vercel, Cloudflare, DNS, SSL/TLS, zero-downtime deployment, monitoring and logging

Testing and Quality: Jest, Vitest, Playwright end-to-end tests, code review, Lighthouse and Core Web Vitals, WCAG accessibility, technical SEO and Schema.org structured data

Engineering Principles: OOP, SOLID, design patterns, clean code, clean architecture, MVC, modular monolith design, multi-tenant SaaS architecture, RESTful API design, DRY and KISS, Git Flow and trunk-based branching, semantic versioning

Leadership and Process: Agile and Scrum (Scrum Master), sprint planning, backlog refinement, task estimation, code review standards, mentoring junior developers, technical documentation, client communication across time zones

PROFESSIONAL EXPERIENCE

Full Stack Developer — Apr 2026 – Present

Sigma PMO · Part-time · United Arab Emirates · Remote

Real-estate development and investment consultancy running project governance for property portfolios.

- Build the governance platform that tracks each development through seventeen stages, from first opportunity to operation
- Built AI document analysis on LLM APIs so every figure in a report links back to the source document that produced it
- Develop approval workflows with named sign-off gates and management reporting in an Arabic-first interface

Web Developer — Feb 2026 – Present

SkyTeam Aviation Academy · Part-time · Egypt · Remote

Aviation company offering pilot training programmes and aircraft charter services.

- Develop and maintain the company platform: fleet pages, services, and the charter and training enquiry flows
- Improve Core Web Vitals, mobile layout and search visibility; own hosting, deployment and SSL

Founder & CTO May 2021 – Present

Barmagly · Software Company · Remote

Software company building SaaS products and custom systems for clients in the Gulf, the United Kingdom and Europe.

- Set architecture and stack for 44 delivered projects in 8 countries, choosing between Laravel, Node.js with NestJS or Express, Next.js and React Native per project
- Built Kassenta, a multi-tenant cloud POS with an offline-first staff Android app, multi-branch inventory, Stripe subscription billing and background job queues
- Built AI products on the Claude API, including Interprova, an Arabic AI interview coach on web and Android, and a desktop meeting assistant with live speech-to-text
- Published 9 Android apps on Google Play, among them the Omnixtrack multi-tenant CRM, the Tamem delivery platform and the Klipp salon booking system
- Manage freelance developers and designers on client projects: scoping, estimates, code review and release

Full Stack Developer & Team Lead Nov 2025 – Oct 2026 · 1 yr

Xappee · Full-time · Cairo, Egypt · Hybrid

UK technology company delivering websites and digital products for British and European clients.

- Led the web team day to day: split client requirements into tasks, reviewed every pull request and set the Git branching and release process
- Built the company invoicing platform: a Next.js front end on an Express and MongoDB REST API with Passport authentication and Jest tests
- Delivered client sites for Ant Assist, Grand Botanical Suite, Rasa Lichfield and Mossodor from Figma designs to production, including hosting, SSL and performance tuning
- Mentored junior developers on code quality, debugging and API design

Software Developer May 2025 – Oct 2025 · 6 mos

Green Arrow Academy · Full-time · Makkah, Saudi Arabia · On-site

Saudi technology training provider.

- Built and launched the company website on Laravel with bilingual Arabic and English content and an admin dashboard for managing programmes and enquiries
- Developed internal web tools and handled hosting, domains, email and deployment for the company's systems

Scrum Master & Development Team Lead Feb 2024 – Sep 2024

Neo Soft Hub · Switzerland · Remote · 2 yrs 8 mos total

Swiss software house serving legal, education and professional services clients.

- Promoted from developer to lead the development team's Scrum process: sprint planning, daily stand-ups, reviews and retrospectives
- Refined the backlog with the product owner, estimated work with the team and tracked delivery against sprint goals

Web Developer Feb 2022 – Feb 2024

- Built and maintained client websites and web apps in Laravel, JavaScript and Bootstrap, including third-party API integrations
- Managed hosting, VPS configuration, domains and deployments for client projects

Full Stack Developer Oct 2021 – Sep 2024 · 3 yrs

Xcodify · Part-time · Remote

Remote technology company focused on full stack web development.

- Built full stack applications in React, Node.js, Laravel and MySQL, from requirements and database design to deployment
- Led small project teams of junior developers: assigned tasks, ran code reviews and set coding standards and Git workflows

Full Stack Developer Jun 2022 – Sep 2024

Albahith Academy · Freelance · United Arab Emirates · Remote

Academic services provider offering research support, translation and statistical analysis.

- Built and maintained the Services Researcher platform (servicesresearcher.com) in React, Node.js and MongoDB, including the database design

Junior Web Developer Mar 2022 – Feb 2023
ETRC Academy · Freelance · Indonesia · Remote
- Built and maintained PHP and WordPress websites, including custom themes, plugins and contact flows

SELECTED PROJECTS

Live production sites on their own domains. Most ship bilingual (Arabic and English) with a full admin dashboard.

Portfolio: khaledahmed.net · **Company:** barmagly.tech · **Code:** github.com/khaled312001

SAUDI ARABIA

Isgha · Riyadh law firm, legal services platform · isgha.sa
Wasiila · water and mosque services for Makkah · wasiila.com · **Masaary** · SaaS · masaary.com
Infinity Wear · sportswear manufacturer, e-commerce · infinitywearsa.com · **OGS Academy** · education · ogs-academy.com

UNITED ARAB EMIRATES

Sigma PMO · real-estate project and investment governance platform · sigma-pmo.com
Plotlogic · development capacity, GFA and parking layout for Dubai plots, with 3D massing · plotlogic.dev
Services Researcher · academic consultation · servicesresearcher.com

UNITED KINGDOM

Xappee · technology company · xappee.com · **Ant Assist** · virtual assistant agency · ant-assist.com
Grand Botanical Suite · hospitality · grandbotanicalsuite.com · **Stand Up Straight** · e-commerce · standupstraight.co.uk
Rasa Lichfield · restaurant · rasalichfield.co.uk · **Mossodor** · e-commerce · mossodor.com

SWITZERLAND

Barmagly Tech · software company platform · barmagly.tech
Kassenta · cloud point-of-sale SaaS · kassenta.com · **Klipp** · salon booking SaaS · klippsalon.com
Aman Law · Swiss-managed legal platform · amanlaw.ch · **Swiss Bridge Academy** · education · swissbridgeacademy.com

EGYPT

Omnixtrack · multi-tenant CRM SaaS, web and Android · omnixtrack.com
Interprova · Arabic AI interview coach, web app and Android app · interprova.com
Tamem Delivery · multi-vendor delivery platform · deliverytamem.com · **Dr. Hussein Kamal Pharmacy** · online pharmacy · dr-husseinpharmacy.com
SkyTeam Aviation · aviation services · skyteamaviation.com · **United Aviators** · pilot training academy · unitedaviators.com
Lotus Sharm · hotel and events · lotussharm.com · **EgySims** · e-commerce · egysims.com
Qinawy · local directory · qinawy.com · **Jovero** · marketing · jovero.net · **Bank El Arab** · bankelarb.net

TURKEY & KUWAIT

Dr. Cem Baysal · medical practice, Turkey · drcembaysal.com · **Game Street Q8** · gaming e-commerce, Kuwait · gamestreetq8.com

ANDROID APPS ON GOOGLE PLAY

Interprova (AI interview practice) · Omnixtrack CRM · Omnixtrack Calls · POS Barmagly · Barmagly Order Food · Tamem Delivery · Klipp Salon Booking · Holy Quran Barmagly · Dr. Hussein Kamal Pharmacy

EDUCATION, CERTIFICATIONS & LANGUAGES

Bachelor of Computers and Information, Information Technology Sep 2019 – Jun 2023
Faculty of Computers and Information, Luxor University · Graduation project grade: A

ITI Diploma, Full Stack Web Development (PHP/Laravel) Oct 2023 – Feb 2024
Information Technology Institute (ITI), Qena · 4-month intensive programme

Graduation Project: Smart Wheelchair IoT System
Wheelchair driven by voice or touch from a Flutter app over Bluetooth to an Arduino controller. Flutter, Arduino C/C++, IoT · github.com/khaled312001/Smart-Wheelchair-Graduation-Project

Languages: Arabic (Native) · English (Fluent, professional working proficiency)