

MAEN KHDOUR

Senior Software Engineer | Team Lead | Mobile Engineer (Flutter)

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PROFESSIONAL SUMMARY

Senior Software Engineer and Team Lead with 7+ years of experience specializing in Flutter mobile development and expanding into full-stack development with NestJS and TypeScript. Proven record of building scalable, high-performance applications across mobile, web, and backend systems, and of reviving and re-architecting production apps (70%+ measured performance gains). Completed an AI Business Practices Specialization at UCSC Silicon Valley Extension (2026); experienced in AI-assisted development workflows, prompt engineering, and RAG systems. Solved 600+ LeetCode problems with published, optimized solutions. Delivered complex parallel projects under wartime disruption with zero missed deadlines. Native Arabic speaker; highly proficient in English.

PROFESSIONAL EXPERIENCE

Senior Software Engineer & Team Lead — Repaira

Oct 2024 – Present | Riyadh, Saudi Arabia (Remote)

- Lead end-to-end development of Repaira's platform: Flutter mobile applications (iOS, Android) and web platform for commercial-kitchen maintenance across the hospitality industry.
- Architected and developed scalable REST APIs using NestJS and TypeScript; optimized data persistence and schema management with Prisma ORM over MongoDB, improving query performance and system reliability.
- Established CI/CD pipelines with GitHub Actions and Codemagic for automated builds, testing, and deployment across Android, iOS, and Web.
- Implemented comprehensive testing strategy: unit, widget, integration, and BLoC tests gating every release.
- Mentor junior developers and enforce code quality through code reviews and architectural guidance; translate Figma designs into pixel-perfect responsive Flutter UI.

Lead Flutter Engineer (Freelance) — JayWalk, Tech For Palestine

2025 – Present | Remote

- Revived a production civic-engagement app (iOS + Android) unmaintained for over a year: migrated the state layer from Provider/ChangeNotifier to BLoC on Clean Architecture across 19+ ViewModels.
- Achieved 70%+ measured performance improvement via network caching, request de-duplication, and rendering optimizations; fixed responsive layouts down to compact devices.
- Repaired Firebase Cloud Messaging end to end (background handlers, iOS permission recovery) and shipped new features: notifications, map proximity sorting, filters, and onboarding redesign. App rated 4.8 stars on Google Play.
- Additional freelance client projects since May 2023 under NDA and contractual confidentiality.

Flutter Developer & Team Lead — 525K Global Solutions

2022 – Dec 2024 | Ramallah / Riyadh

- Solely managed 5+ client applications across logistics, supply chain, and e-commerce (ADL Driver, Al-Khaldi Driver, ACC Supply, Basamh Driver, Masheed Vendor), owning architecture, development, CI/CD, release, and post-launch support.
- Implemented BLoC architecture, Firebase (Auth, Firestore, Crashlytics), GraphQL APIs, and Arabic/English/Urdu localization with unit, integration, BLoC, and E2E testing.
- Built Google Maps live tracking, geofencing, and QR scanning; optimized performance using Crashlytics and Mixpanel analytics.
- Acted as team lead: reviewed commits, mentored remote collaborators, and ran client demos, requirements sessions, and feedback loops.
- Delivered under wartime disruption with zero missed deadlines and zero critical downtime.

TECHNICAL SKILLS

Mobile: Flutter, Dart, Android, iOS, Cross-Platform Development, Responsive UI, Native Module Integration

Architecture & State: BLoC, Clean Architecture, Provider, Riverpod, GetIt, Dio, Scalable System Design

Backend & Data: NestJS, TypeScript, Node.js, Prisma ORM, MongoDB, Firebase, GraphQL, REST APIs, SQL

Languages: Dart, TypeScript, JavaScript, Python, Java, C

DevOps & Tools: Git, GitHub Actions, Codemagic, Docker, Jira, Postman, Xcode, Android Studio

Testing: Unit, Widget, Integration, BLoC, End-to-End (E2E)

AI: Prompt Engineering, RAG Pipelines, AI Agents (MCP), AI-Assisted Development Workflows

EDUCATION

AI Business Practices Specialization — UCSC Silicon Valley Extension

Graduated July 2026

B.Sc. Computer Engineering — Birzeit University, Palestine

2017 – 2022 | GPA: Very Good | Capstone: IoT wireless heating-system controller (Flutter + Firebase + sensor network)

CERTIFICATIONS

- Claude AI Certifications — Anthropic
- Backend Development: Node.js & NestJS
- Community Leadership — Birzeit University
- Curate: Refining Palestinian STEM Talent — FINOMENA & Amideast
- Flutter, React, Python & Dart — Udemy

PROBLEM SOLVING

600+ LeetCode problems solved with multiple badges; actively publish optimized solutions with clear time/space-complexity analysis.