

Mohamed Dhia Ben Amar

Full-Stack Software Engineer | Angular, Nx, TypeScript, Node.js, React

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Profile

Full-stack software engineer with 2 years of experience building market-finance Angular applications in Nx monorepos, with hands-on React, Node.js/Express, Golang and MongoDB experience. Built a 76-widget shared component library backed by ~9,000 unit tests (80%+ coverage), supervised a major Angular/Nx migration, and, as technical lead, standardized AI-assisted development with Claude Code agents and Playwright, cutting widget delivery from up to 2 weeks to 4 days.

Experience

Frontend Developer • Minotore (Market Finance)

Tunis, Hybrid | Dec 2024 – Present

- Built 76 reusable, accessible (a11y) UI widgets with RxJS and Angular Signals, adopted across 8 projects; cut widget size by 30–50% by moving duplicated logic into shared helpers and optimizing ECharts/ExcelJS
- Supervised the migration of 68 widgets and 8 shared libraries from Angular 18 to Angular 21 / Nx 22 in one 3-week sprint, leading 3 developers: lighter widgets, cleaner code, better security; contributed to the Angular 22 / Nx 23 migration
- Introduced Vitest unit testing across all 76 widgets and 8 libraries: ~9,000 tests with 80–96% coverage
- Technical Lead, NOVA project:** helped standardize the dev-workflow AI agent (Claude Code) used by ~30 developers across 4 teams and integrated Playwright so agents test widgets against real data in a headless browser; cut widget delivery from 1–2 weeks to 4 business days max and helped the team ship 60% more features per 3-week sprint
- Built a Storybook skeleton library to improve state handling and UI/UX across widgets, plus Keycloak auth screens
- Shipped widgets via GitLab CI pipelines and Jenkins jobs, reporting issues to the DevOps team; ran Bearer and Trivy scans via Docker
- Mentored 2 new team members and 1 intern; ran manual and AI-assisted code reviews in Agile sprints (Jira, Figma)
- Technologies:** Angular, Nx, TypeScript, RxJS, Signals, ECharts, Highcharts, ExcelJS, Storybook, Vitest, Playwright, Keycloak, GitLab CI, Jenkins, Docker, Claude Code

Full-Stack Engineer Intern • Convery (E-Commerce)

Tunis, Hybrid | Feb 2024 – Aug 2024

- Co-developed, with one other developer, the merchant store-management mobile app (React Native, Expo, Redux, Zustand) published on the App Store and Google Play (now 10k+ downloads, rated 4.4/5); built its statistics and profile screens, working with a designer and a PM
- Reduced dashboard load time by 30% through lazy loading, route-level code splitting and modular architecture
- Implemented upsell/cross-sell automation flows on web and mobile, increasing average order value by 15%
- Built REST APIs with Node.js/Express and a Golang microservice for order processing
- Technologies:** React, React Native, Expo, Redux, Zustand, Node.js, Express, MongoDB, Golang

Software Engineer Intern • IBSpace (E-Solutions)

Tunis, Hybrid | Jul 2023 – Sep 2023

- Designed scalable Firebase Firestore schemas optimized for 10,000+ concurrent users with efficient query patterns
- Built real-time admin and analytics dashboards in Angular, saving operations teams ~6 hours per week of manual reporting
- Technologies:** Angular, TypeScript, Firebase, Git

Front-End Mobile Developer Intern • Inoteqia (Deeptech & Cybersecurity)

Tunis, Hybrid | Aug 2022 – Sep 2022

- Built the Flutter front end of a decentralized vehicle-trading DApp (Solidity, ERC-20, MetaMask), deployed to testnet

Education

Engineering Degree in Full-Stack Software Engineering (Mobile Dev. Specialization) • ESPRIT

2019 – 2024

Leadership & Community

Google Developer Student Clubs (GDSC) • ESPRIT

Sep 2022 – Dec 2024

- Development Department Lead** (Sep 2023 – Jan 2024), then Mentor (Sep – Dec 2024): organized a hands-on Node.js, Express and MongoDB workshop
- Blockchain Department Lead** (Sep 2022 – Jul 2023): led preparation of the on-site hackathon “Hack 22 Escape” with GDSC Budapest; organized the “Let’s Talk Blockchain” workshop; speaker at the online event “Do All Blockchainers Think Alike”

Technical Skills

Frontend: Angular, Nx, RxJS, Signals, React, React Native, Flutter, HTML5, CSS3/SCSS, Angular Material, Storybook

State Management: NgRx, Redux, Zustand + Immer, Provider, GetX

Data Visualization & Export: ECharts, Highcharts, ExcelJS

Backend & Databases: Node.js, Express, Golang, REST APIs, Keycloak, MongoDB, Firebase Firestore

Programming Languages: TypeScript, JavaScript, Dart, Solidity

Testing: Vitest, Jest, Jasmine, Karma, Playwright, Karate

DevOps & Security: GitLab CI, Jenkins, Docker, Bearer, Trivy, Git, CI/CD

AI & Tools: Claude Code, AI Agents, GitHub Copilot, Jira, Figma

Also familiar with (academic/personal projects): Java, Spring Boot, Symphony, Python, GraphQL, MySQL

Languages

Arabic (Native) • English (Fluent) • French (C1, TCF 2026) • Japanese (Elementary)