

# Alaeddine Tabbane

## Senior Full-Stack Engineer & Tech Lead — MERN / Angular / Cross-Platform Mobile

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### PROFESSIONAL SUMMARY

Tech Lead with 7+ years architecting full-stack products across MERN, Angular/Ionic, and microservices. Ships Web, Android, and iOS from a single codebase and leads teams through code review, CI/CD automation, and AI-assisted workflows (Claude Code, Cursor) that measurably shorten delivery cycles. Translates business goals into scalable architecture end-to-end — frontend to backend to deployment.

### CORE COMPETENCIES

React · Next.js · Angular · Ionic · TypeScript · Node.js · Express · NestJS · Spring Boot · Microservices · WebSockets · REST API Design · GraphQL · MongoDB · PostgreSQL · MySQL · Redis · Elasticsearch · GitLab CI/CD · Docker · AWS · GCP · Auth0 (SSO) · JWT · Stripe · Sentry · Playwright · Vitest · Jest · System Architecture · Team Leadership & Mentorship · Agile/Scrum

### PROFESSIONAL EXPERIENCE

#### FinGenesis — Senior Full-Stack Engineer (ScanAlpha)

07/2025 – 05/2026

- Spearheaded end-to-end development of a cross-platform app delivering **Web, Android, and iOS from one Ionic + Angular codebase**, cutting platform maintenance overhead vs. native builds. — *Ionic, Angular, TypeScript*
- Architected a real-time backend with **Node.js + Express + WebSockets**, supporting live data sync for 12,000 concurrent users. — *Node.js, Express, WebSockets*
- Owned the full mobile release lifecycle through **App Store and Google Play** submissions, with zero critical security findings across releases. — *Android SDK, iOS/Xcode*
- Established automated testing (**Vitest unit + Playwright E2E**) in **GitLab CI/CD**, raising coverage to 95% and reducing manual QA effort by 50%. — *Playwright, Vitest, GitLab CI/CD*
- Optimized mobile bundle size and load performance via Angular modular architecture and Ionic native integrations, improving startup time by 60%. — *Angular, Ionic*
- Integrated **Auth0 SSO** and **Sentry** real-time error tracking, strengthening platform security and cutting mean-time-to-detection of production errors. — *Auth0, Sentry*

#### Navoy — Technical Lead (MERN)

04/2024 – 07/2025

- Led design, development, and deployment of scalable web apps on the **MERN stack (Next.js, NestJS, PostgreSQL, MongoDB)**, driving architecture decisions across the full product lifecycle. — *Next.js, NestJS, PostgreSQL, MongoDB*
- Extended the Next.js web app to **Android and iOS with Capacitor**, shipping a mobile app from the existing web codebase without a separate native rewrite. — *Capacitor, Next.js*
- Led and mentored a team of 3 developers through code reviews and best-practice enforcement, delivering milestones on schedule. — *Code Review, Agile/Scrum*
- Standardized **Claude Code and Cursor AI** team-wide with prompting conventions and AI-assisted review workflows, accelerating delivery by ~30%. — *Claude Code, Cursor AI*
- Built a dedicated **payment service integrating Stripe** — API integration and webhook handling. — *Stripe, Node.js, NestJS*
- Refactored NestJS microservices using AI-accelerated cycles, reducing technical-debt turnaround and easing architecture transition overhead. — *NestJS, Microservices*

#### Devwise — Full-Stack Software Engineer (Subcontract)

06/2024 – 07/2025

- Built responsive Angular interfaces backed by **Spring Boot (Java 17)** services following enterprise best practices. — *Angular, Spring Boot, Java 17*
- Managed and optimized **Oracle and SQL Server** databases, improving query performance and ensuring clean front-to-back integration. — *Oracle, SQL Server, Flyway, Docker, Jenkins*

#### Marquet-360-Degree (M-360-D) — Technical Lead (Node.js / React.js)

08/2023 – 04/2024

- Led a team of React.js/Node.js developers, shipping new features and improving the existing codebase. — *React, Node.js, Express, Microservices*
- Enforced code quality through reviews and coding standards while owning client communication, requirements, and delivery updates. — *MongoDB, PostgreSQL, Elasticsearch*

#### Alight — Technical Lead, Front-End (BeExpert)

01/2023 – 08/2023

- Led a front-end team delivering responsive **React + SharePoint SPFX** interfaces on time and to quality standards. — *React, TypeScript, SharePoint SPFX*
- Drove performance optimization, cross-browser compatibility, and accessibility while mentoring team members. — *HTML5, CSS3, Bootstrap*

#### Alight — Software Developer

07/2020 – 12/2022

- Delivered SharePoint SPFX / React solutions for **5+ enterprise clients including Cofat and Merck**, spanning intranets, document management, and custom Power Apps integrations. — *React, SharePoint, Node.js*

#### Inscript — Full-Stack Developer

02/2019 – 06/2020

- Built production web apps including a teleconsultation platform (React, Node.js, Firebase, WebRTC, Socket.io) and Vinko's startup-expert matching demo (React, Node.js, MongoDB, AWS EC2). — *React, Node.js, WebRTC, Redux*

### SELECTED PROJECTS

- **Automated Trading Bot** (Freelance, 2021–2023) — Engineered Price-Action strategies into algorithms with statistical risk-management models; built a Node.js + React platform with automated backtesting and 24h performance dashboards. — *Node.js, React, MongoDB, AWS EC2*
- **Entrepreneur-Investor Mobile App** (PFE) — Cross-platform React Native (Expo) + Firebase app connecting entrepreneurs and investors. — *React Native, Expo, Firebase*

### TECHNICAL SKILLS

- **Frontend:** React, Next.js, Angular, Ionic, TypeScript, HTML5/CSS3, Tailwind CSS, SCSS, styled-components, Bootstrap, Material UI, shadcn/ui
- **React Ecosystem:** TanStack Query, Zustand, Redux Toolkit, React Hook Form, Zod, Yup, i18n, ApexCharts, Google Maps, Mapbox
- **Backend:** Node.js, Express, NestJS, Spring Boot (Java 17), PHP, REST API Design, GraphQL, WebSockets, Microservices, Swagger/OpenAPI, Nodemailer
- **Databases & ORMs:** MongoDB, PostgreSQL, MySQL, Redis, Oracle, SQL Server, Firebase, Elasticsearch, TypeORM, Mongoose
- **DevOps/Cloud:** AWS, GCP, Docker, GitLab CI/CD, GitHub Actions, Jenkins, Nginx, Webpack — *familiar: Kubernetes, Terraform*
- **Testing:** Playwright (E2E), Vitest, Jest
- **Auth/Observability:** Auth0 (SSO), JWT, Auth.js, Sentry
- **Payments:** Stripe (API & webhooks)
- **AI Tooling:** Claude Code, Cursor AI

### EDUCATION

- **Engineering Diploma, Networks & Communication** — Gabès National School of Engineering (ENIG), 2015–2019 (*Honors*)
- **Preparatory Cycle, Physics-Chemistry (PC)** — Nabeul Preparatory Institute for Engineering Studies, 2012–2015

### LANGUAGES

Arabic (Native) · French (B2) · English (B2)