

N. MOHAMED AL HAMDHY

SOFTWARE ENGINEER & FULL STACK DEVELOPER

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PROFESSIONAL SUMMARY

Professional Software Engineer & Full-Stack Developer based in **Dubai, UAE**, with nearly **three** years of experience in web and mobile application development. Expert in the **MERN** stack, skilled in designing and delivering high-performance, scalable, and user-focused solutions. Hands-on experience with **databases**, **APIs**, **CI/CD**, **testing**, and **version control**, with a proven record of mentoring interns. Quick to learn new technologies and actively seeking opportunities in the **UAE** with a **transferable Emirates ID**.

PROFESSIONAL QUALIFICATION

BSc (Hons) in Computing and Software Engineering

Completed

Cardiff Metropolitan University, UK

PROFESSIONAL EXPERIENCE

ALTHARIO TECHNOLOGY FZE | DUBAI

Jan 2023 - Present

SOFTWARE ENGINEER

Key Projects: One Deals, QR-Scanner, E-Commerce, Event Booking

Duties & Responsibilities

- Delivered scalable full-stack applications with the **MERN** stack across **Agile SDLC**, applying **OOP**, **SOLID**, **MVC**, **RESTful APIs**, **databases**, **CI/CD**, **Git**, and **cloud** deployment.
- Built secure and scalable backend systems with **Node.js**, **Express.js**, and **Nest.js**, featuring authentication, **RBAC**, **RESTful APIs**, middleware, database integration, and event handling.
- Engineered scalable **Flutter (Dart)** mobile applications using reusable widgets, Provider for state management, Navigator 2.0, async data fetching, form validation, lazy loading, and error handling.
- Built high-performance front-end web applications with **Next.js** and **React (TypeScript)**, using Hooks, state management, dynamic routing, reusable components, **SSR/SSG**, **API** integration, and error handling.
- Designed and managed **MongoDB** and **PostgreSQL** databases with **Redis** and **ORM**, handling schema design, migrations, caching, backup, scaling, security, and performance on **AWS RDS** and **Firebase**.
- Implemented secure authentication using **JWT**, **OAuth2**, **refresh/bearer** tokens, **API** keys, **RBAC/ABAC**, **MFA/2FA**, password hashing, permissions, social login, email verification, and session management.
- Designed responsive, interactive **UIs** using **CSS**, **Sass**, **Bootstrap**, **Tailwind CSS**, **Material UI**, **Aceternity UI**, and animation/visualization libraries like **GSAP**, **Framer Motion**, **React Spring**, and **Three.js**.
- Engineered and integrated **APIs** including **RESTful**, **GraphQL**, **WebSockets**, **ORM/DB** drivers, social login/**OAuth**, **SMTP**, **Twilio**, **ML APIs**, **maps**, **analytics**, **Stripe**, **WebxPay**, **PayHere**, and **CI/CD**.
- Deployed cloud solutions on **Vercel**, **Netlify**, **Firebase** (front-end), **AWS EC2**, **Heroku** (back-end), **AWS RDS**, **Redis Cloud** (databases) with **GitHub**, **Jenkins**, **Docker**, **Kubernetes**, and **CI/CD** pipelines.
- Facilitated cross-functional collaboration to deliver high-quality, scalable products on time.

PROFESSIONAL EXPERIENCE

ALPHA MINDS PVT. LTD | SRI LANKA

Dec 2021 – Jan 2023

JUNIOR SOFTWARE ENGINEER

Key Projects: Salon Nathalia, POS System, Ticket Pass, Hotel Booking

Duties & Responsibilities

- Participated in end-to-end full-stack development with the **MERN** stack under **Agile SDLC**, applying **OOP** concepts, **REST** services, database operations, and version-controlled deployments.
- Built backend systems with **Node.js**, **Express.js**, and **Nest.js**, implementing layered architecture, controllers, middleware, validation, authentication, **ORM**, caching, and **API** security.
- Engineered scalable **Flutter (Dart)** apps using modular widgets, **Provider/BLoC** state management, declarative **UI**, responsive layouts, theming, async streams, platform integrations, and error handling.
- Built high-performance front-end apps with **React (TypeScript)**, **Next.js**, and **Remix.js**, using component architecture, advanced routing, **SSR**, **SEO**, accessibility, and error handling.
- Managed **MySQL**, **PostgreSQL**, and **MongoDB** databases with **Redis** and **ORM**, implementing data modeling, relationships, triggers, stored procedures, indexing, and query optimization.
- Implemented secure authentication with **JWT**, **OAuth2**, **API** tokens, password hashing, guards and policies, token revocation, session management, and **API** throttling.
- Designed responsive, accessible **UIs** with **CSS**, **Tailwind CSS**, **Sass**, **Material UI**, leveraging reusable components, theming, modular layouts, and cross-browser consistency.
- Developed and integrated **APIs** including **RESTful**, **GraphQL**, Database/**ORM**, authentication, email, **WebXPay**, **PayHere**, third-party JS, **HTTP** client libraries, and webhook integrations.
- Deployed front-end applications on **Vercel** and **Netlify**, leveraging **GitHub**, **Docker**, and **CI/CD** pipelines to ensure scalable and reliable delivery.
- Worked with cross-disciplinary teams to achieve efficient, high-quality product releases.

PROFESSIONAL SKILLS

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|------------------------------------|--------------------------------|
| • Full-Stack Development | • Agile Development |
| • RESTful API Design & Integration | • Problem Solving Mindset |
| • Database Design & Management | • Professionalism & Positivity |

TECHNICAL SKILLS

- Programming Languages: **JavaScript (ES6+ / TypeScript)**, **Python**
- Frameworks & Libraries: **Node.js**, **Nest.js**, **Express.js**, **React**, **Next.js**, **Flutter**
- Databases: **MySQL**, **PostgreSQL**, **MongoDB**
- DevOps & Cloud Tools: **GitHub**, **Vercel**, **Netlify**, **AWS**, **Microsoft Azure**, **Digital Ocean**, **Docker**
- Productivity Tools: **Microsoft Office (Word, Excel, PowerPoint)**, **Canva**, **Slack**, **Click Up**
- Nationality: **Sri Lanka | UAE Resident (2 Years)**
- Languages: **English**, **Tamil**

DECLARATION

I declare that the information provided is true, accurate, and complete to the best of my knowledge.