

# 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

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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

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- 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
- RESTful API Design & Integration
- Database Design & Management
- Agile Development
- Problem Solving Mindset
- Professionalism & Positivity

## TECHNICAL SKILLS

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- 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

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