# HAMDULLAH MOHAMED INFAS

**Senior Full Stack Developer | React.js, React Native, Node.js, TypeScript, AWS**

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## PROFESSIONAL SUMMARY

Full stack developer with 7+ years building and shipping web and mobile products end to end, from React.js and React Native front-ends to the Node.js, Express, and NestJS services behind them. Designs and integrates REST APIs, microservices, and event-driven services with Redis, RabbitMQ, MongoDB, and MySQL, and runs them on AWS using S3, Lambda, EventBridge, and EC2, containerised with Docker and provisioned as code with Terraform. On the front end works across React Hooks, Redux Toolkit, TanStack Query, React Hook Form, and Tailwind CSS, turning Figma designs into responsive, reusable components. Covers work with Jest unit and integration tests, applies secure coding practices, and has led product releases from wireframe to production. Works day to day in Agile teams using Git, JIRA, and Confluence.

## CORE TECHNICAL SKILLS

**Frontend:** React.js, React Hooks, Next.js, React Router, Context API, React Hook Form, Reusable UI Components, Design Systems, Component Library Design, Responsive Design

**Languages & Markup:** TypeScript, JavaScript (ES6+), HTML5, CSS3

**State Management & Data:** Redux, Redux Toolkit (RTK), Context API, TanStack Query, Asynchronous Data Handling, Caching, Memoisation, List Virtualisation

**Backend & APIs:** Node.js, Express.js, NestJS, REST APIs, REST API Integration, Microservices, Event-Driven Architecture, Socket.io / WebSockets, Real-Time Dashboards

**Databases & Messaging:** MongoDB, MySQL, Prisma, Redis, RabbitMQ

**Styling & UI:** Tailwind CSS, Material-UI, Bootstrap, SASS, LESS, Styled Components, Figma to Code

**Cloud & DevOps:** AWS (EC2, S3, Lambda, EventBridge, ELB), Terraform, Infrastructure as Code (IaC), Docker, Containerisation, CI/CD Pipelines, GitHub Actions, GitLab CI, Firebase

**Mobile:** React Native (Expo & CLI), iOS & Android, Push Notifications, Over-the-Air Updates, App Store & Google Play Deployment

**Security:** OAuth 2.0, JWT, Role-Based Access Control, HTTPS, Input Validation, Secure Coding, XSS, CSRF, SSRF

**Testing & Quality:** Jest, Automated Testing, Unit & Integration Testing, TDD, Debugging, Defect Resolution, Code Reviews, Postman

**AI-Assisted Development:** Claude Code, GitHub Copilot, Cursor, AI-Assisted Testing & Debugging, Reviewing & Validating AI-Generated Code, LLM Integration, GenAI Chatbots

**Ways of Working:** Agile / Scrum, Git, Git Workflows, Bitbucket, Sourcetree, JIRA, Confluence, Figma, Cross-Functional Collaboration, Mentoring

## PROFESSIONAL EXPERIENCE

**Senior Software Engineer** | OPPTY, Singapore (Remote)

*Mar 2023 - Present*

- Led the OppTy v1.0 and v2.0 releases end to end across the full stack, from the React.js and React Native front-ends to the Node.js services behind them, shipped from Figma wireframe through to production and app store release.
- Built REST APIs and event-driven services in Node.js with Redis and RabbitMQ, containerised with Docker, streaming real-time data over Socket.io into live dashboards.
- Built responsive, reusable UI components and forms in React and TypeScript, and authored a typed, documented component library so the team could build features in parallel.
- Managed server state and asynchronous data with TanStack Query and Redux Toolkit, and kept data-heavy screens responsive with memoisation and list virtualisation.
- Designed and ran the AWS architecture using S3, Lambda, EventBridge, and EC2, provisioned as code with Terraform, with CI/CD, Firebase auth, push notifications, and over-the-air updates.
- Applied secure coding practices including OAuth 2.0, JWT, role-based access, and input validation, and remediated findings from security testing.
- Wrote unit and integration tests, debugged production issues, and resolved defects raised by QA through to closure.
- Took part in code reviews, mentored junior developers, and worked each sprint with product managers, designers, backend, QA, and DevOps engineers, tracked in JIRA and Confluence.
- Integrated GenAI chatbot features, connecting LLM services to the web and mobile clients.

**Software Engineer** | ExcelGames Interactive, Singapore
*Feb 2022 - Apr 2023*

- Built real-time dashboards in React.js, Next.js, and React Native (Expo) that rendered live data streaming from BLE hardware, using TanStack Query for server state.
- Made architecture decisions across the stack on component structure, service boundaries, SASS and LESS styling, TypeScript strict mode, and refactoring for scalability.
- Set up AWS infrastructure with S3, Lambda, and EventBridge using Terraform, ran services in Docker containers, and added Redis caching and RabbitMQ background jobs to keep heavy screens responsive.
- Integrated REST APIs over HTTPS with OAuth 2.0, JWT, and role-based access, and fixed common web vulnerabilities including XSS, CSRF, and injection.
- Used Jest for unit and integration tests, and ran code reviews and pairing sessions to keep quality up.

**Full Stack Developer** | GroundZero Holdings, Sri Lanka
*Dec 2019 - Nov 2021*

- Built a social platform with an integrated job board for a UK client in React.js, Redux, and React Native, owning the front-end and the cross-platform mobile UI from wireframe to launch.
- Set up CI/CD and AWS deployments (EC2, S3) and tuned the Node.js and MongoDB backend for a live production application.

**Software Engineer Trainee** | SLIIT, Sri Lanka
*Feb 2019 - Aug 2019*

- Worked on full-stack web projects, designed user flows and prototypes in Figma, and broke down requirements and user stories for the team.

## KEY PROJECTS

### Maya, B2B Sports Venue Platform
*React.js, React Native, TypeScript, TanStack Query, Tailwind CSS, Node.js, Express.js, MongoDB, AWS (S3, Lambda), Terraform, Docker, CI/CD*

- Built a B2B platform for managing sports venues across golf, football, and grassroots fields, covering bookings, scheduling, and day to day operations.
- Delivered the React web client and React Native mobile app end to end, backed by a Node.js and Express API on MongoDB, and deployed on AWS through CI/CD.

### OppTy v2.0, Web & Mobile Platform
*React.js, React Native (Expo), TypeScript, Redux, TanStack Query, Node.js, Socket.io, Redis, AWS (S3, Lambda), Terraform, Docker, CI/CD*

- Led the release end to end: reworked the React component architecture, delivered the mobile app for iOS and Android, added GenAI features, applied secure coding, and tuned response times. Live in production.

### HRSimplify, Internal HR & Payroll System
*React.js, TypeScript, React Native (Expo), Tailwind CSS, Node.js, Socket.io, MongoDB, AWS (S3, Lambda), Terraform, Docker*

- Shipped an HR and payroll system with live Socket.io dashboards, responsive web and mobile screens, and reusable React components and forms for payroll, leave, and reporting.

### InCube Labs, Medical BLE Diagnostic Tool (US Client)
*TypeScript, Next.js, NestJS, React Native (CLI), Bluetooth Low Energy, Socket.io, MySQL, Prisma, Jest, AWS (S3, Lambda), Terraform, Docker*

- Built a medical tool that tracks tablet intake over Bluetooth Low Energy, rendering live hardware data in a React and TypeScript front-end with full Jest coverage.

### TellWhom, Social Job Board (UK Client)
*React.js, Redux, React Native, Node.js, MongoDB, JWT*

- Handled the full front-end: React components, Redux state management, a cross-platform React Native app, and JWT authentication, from wireframe to release.

## EDUCATION

**BSc (Hons) in Information Technology**
Sri Lanka Institute of Information Technology (SLIIT) | Feb 2017 - Feb 2021