

EBENEZER JOHNSI RAJAN

SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 3+ years of hands-on experience, specializing in architecting and delivering scalable web and mobile applications utilizing React Native (Expo), Next.js, MERN stack, TypeScript, and Cloud Computing platforms (AWS/GCP). Successfully led the development of the InvusProp real estate platform, implementing high-performance Next.js landing pages, cross-platform Expo React Native mobile apps, and robust NestJS microservices for backend operations (REST/GraphQL APIs, Prisma ORM). Key competencies include performance optimization, large-scale AWS Cognito migration, adherence to Agile/Scrum methodologies, advanced Redux Toolkit state management, implementing Docker-based DevOps, and UX-driven feature delivery with demonstrated engineering impact.

WORK EXPERIENCE

Invus Infotech OPC Pvt. Ltd.

Chennai

Software Engineer

Dec 2023 – Dec 2025

Led the frontend and mobile engineering for the InvusProp real estate platform, delivering a high-performance landing page and a feature-rich cross-platform mobile application.

- **Mobile Engineering & Native Modules:** Built a scalable **Expo React Native app** with full iOS/Android parity, implementing custom **Native Modules** to handle secure OTP verification and seamless user authentication.
- **Web Performance Optimization:** Developed a responsive **Next.js landing page** with Server-Side Rendering (SSR), optimizing Core Web Vitals to achieve a **90+ Google Lighthouse performance score** and enhanced SEO rankings.
- **DevOps & Deployment:** Established an automated mobile build pipeline using **EAS Build** and GitHub Actions, enabling seamless **Over-The-Air (OTA) updates** and reducing deployment turnaround time by **50%**.
- **Frontend Quality Assurance:** Integrated dynamic form validation and comprehensive error handling for complex property/loan workflows, reducing user input errors by an estimated **30%** via robust state management.
- **Backend Development:** Designed and implemented highly optimized data processing algorithms for core property posting features using NestJS and Prisma ORM, efficiently streamlining data flow

Skills Applied:

React Native (Expo) | NestJS | Prisma ORM | GitHub Actions | AWS | Docker

HashHackCode LLP

Chennai

MERN Stack Developer

Nov 2022 – Dec 2023

Developed a scalable educational platform serving a diverse user base of students and mentors, focusing on accessibility and data security

- **Security & Access Control:** Designed and implemented a centralized RBAC (Role-Based Access Control) system for **3 distinct user roles** (Admin, Mentor, Student), preventing unauthorized data access.
- **Database Optimization:** Managed and optimized MongoDB schemas across **10+ collections**, implementing indexing strategies that reduced query execution time for student progress reports.
- **Accessibility Standards:** Built responsive React interfaces compliant with **WCAG 2.1 accessibility standards**, directly improving platform usability for neurodiverse learners.
- **Process Automation:** Developed RESTful APIs with Node.js/Express that automated course delivery workflows, reducing manual administrative setup time by an estimated **20%**.
- **Collaboration:** Partnered with stakeholders in Agile sprints to deliver modular features, ensuring **100%** on-time delivery for key platform updates

Skills Applied:

React.js | Node.js | Express.js | MongoDB | REST APIs | RBAC | Docker | Agile

PROJECTS

Nutritional Admin Dashboard - NextJS, Electron

Chennai

Cross-Platform Scale: Architected a scalable subdomain system supporting **unlimited business card deployments** from a single codebase.

- **Data Synchronization:** Implemented real-time Firebase synchronization to ensure **sub-second data consistency** across desktop and web clients.
- **Desktop Performance:** Packaged optimized Electron builds for Windows, macOS, and Linux, ensuring native-like performance with **low memory footprint**.

Skills Applied:

React.js | TypeScript | Chart.js data visualization | MongoDB | REST APIs | RBAC | NextJS | Firebase

EDUCATION

Dhanraj Baid Jain College of Arts & Science	Chennai
M.Sc., Computer Science	2022-2024
Mar Gregorios College of Arts & Science	Chennai
B.Sc., Computer Science Graduated with First Class	2019 – 2022

SKILLS

- **Frontend:** React.js, React Native (Expo), Next.js, Redux Toolkit, Context API, React Query, Axios, Material UI, Styled Components, Tailwind CSS, Hooks, Functional Components, Code Splitting, Lazy Loading, Responsive Design
- **Backend:** NestJS, Node.js, Express.js, REST API, Prisma ORM, MongoDB, PostgreSQL, SQL/NoSQL, JWT, OAuth, RBAC, Microservices
- **Mobile:** React Native, Expo, EAS Build, OTA Updates, Cross-platform Development
- **DevOps/Tools:** GitHub Actions, Docker, AWS (Amplify, CloudWatch, Cognito), Vite, Figma, Git, CI/CD, Agile, Scrum, Version Control
- **Databases:** MongoDB, PostgreSQL, Firestore, Firebase Realtime Database
- **Other:** Electron, Payment Gateways (Razorpay), WordPress REST API, SEO Optimization, Technical Documentation

CERTIFICATIONS

- **React: Using Typescript**
- **From React to React**
- **Front End Web Development**