

Mohammed Ismail

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Senior Frontend Engineer | React & React Native Specialist | 9+ Years Building Healthcare & Enterprise Solutions

Results-driven Senior Frontend Engineer with 9+ years architecting high-performance, responsive web, mobile, and desktop apps using React, React Native, Angular, and Vue.js. Expertise in healthcare solutions including IoT-integrated hospital systems, DICOM tools, patient portals, appointment booking, digital signatures, and telehealth features. Skilled in TypeScript, performance optimization, WCAG accessibility, Redux/Redux Saga, team leadership, mentoring, and cross-functional collaboration to deliver scalable, user-centric products in healthcare and SaaS.

WORK EXPERIENCE

BiznessForce Software Solutions Pte Ltd • Chennai, Tamil Nadu, India

10/2017 - Present

Senior Software Engineer (Lead Frontend) – Promoted from Frontend Engineer • Full-time

- Led frontend architecture and cross-platform development (React, React Native, Angular, Vue.js) for web, desktop (Windows/macOS), and mobile (iOS/Android) apps in healthcare and enterprise sectors, collaborating with small high-performing teams.
- Architected and solely developed impactful healthcare solutions: IoT-based hospital housekeeping/patient discharge systems (real-time notifications & automation), DICOM transfer tools (ReactJS medical imaging), digital signature apps (PDF signing on tablets), appointment booking platforms, telehealth modules (Zoom-integrated), and real-time dashboards (bed/room tracking).
- Established technical standards including TypeScript adoption, component libraries, Redux/Redux Saga state management, performance optimization, WCAG accessibility, and testing to deliver scalable, maintainable codebases.
- Mentored developers, led code reviews, drove UI/UX enhancements, and partnered cross-functionally with product, design, and backend teams to implement features and optimize real-time workflows, boosting hospital efficiency and business productivity.
- Delivered additional tools: AI-powered Chrome extensions (React + Tailwind summarization), Kanban task platforms (drag-and-drop with rich editors), and Reveal.js presentation managers with autoplay/error handling.

SoftwareAG • Chennai Area, India

03/2017 - 10/2017

Research And Development Intern

- Contributed to the development of Jersey-based web applications.
- Designed and implemented an automation testing framework using Java, HttpClient, and JBehave.
- Assisted in the maintenance and enhancement of existing applications and modules.
- Technologies: Jersey, AngularJS, JSON, REST API, Elastic Search, etc.
- Testing Frameworks: JUnit and JBehave.

PROJECTS

Ezforce Workforce Management Platform – React & React Native

12/2020 - Present

Solely built Ezforce workforce SaaS from scratch (React.js web + React Native iOS/Android): time/attendance, shift scheduling, skill mgmt, mobile access, docs & analytics — reduced manual errors by 60% & boosted team productivity.

Kauvery Kare: Patient Health App - React Native

12/2025 - 01/2026

Solely developed Kauvery Kare React Native module: enables patients to select tests, request home sample collection, schedule appointments, track full flow & process payments — improved convenience & streamlined home healthcare services.

Capital Ambulance: Mood & Telehealth App - React Native

11/2025 - 12/2025

Solely developed React Native app for Capital Ambulance: tracks patient mood/lifestyle, enables bookings with CSR, doctors & psychologists. Integrated Zoom video calls & in-app chat — streamlined telehealth access & improved patient monitoring.

StyleApp – AI-Powered Fashion Discovery & Virtual Try-On - React Native

10/2024 - 12/2024

Contributed to StyleApp: built Circles feature for friend groups, created Posts for sharing outfits, implemented inviting & adding friends. Enhanced social fashion discovery with AI recommendations & virtual try-on — improved user engagement & product exploration.

Document Creation Platform – React + QuillJS + PDFMake PDF Generator

04/2024 - 09/2024

Developed React-based document platform with QuillJS rich editor & PDFMake: customizable templates, drag-and-drop sections, Ant Design widgets, Redux + Saga state mgmt, real-time previews & template switching — boosted document creation efficiency by 65%.

Adirai FM 90.4 Live Streaming Radio App – React Native

02/2023 - 06/2024

Solely developed & launched Adirai FM 90.4 React Native app for Adirampattinam: broadcasts key news/info & Tamil programs. Designed UI, integrated live streaming & smooth playback — achieved <1% dropout for 400+ daily listeners & reached 1k+ community users.

DICOM File Transfer & Management App for Hospitals – ReactJS

02/2023 - 06/2023

Managed team to develop ReactJS DICOM Transfer app for efficient medical data handling & seamless DICOM file management. Designed & integrated user-friendly UI.

IoT-Enabled Hospital Housekeeping & Patient Discharge System

09/2018 - 04/2019

Solely developed IoT-based patient discharge system: dropping card into dropbox triggers housekeeping tasks, notifies housekeepers, alerts ward nurses & updates booking office on bed availability. Handled system design, IoT integration & workflow optimization, reducing bed turnaround and increasing availability updates by 90%.

Hospital Digital Signature Application – iPad & Electronic Pad e-Signing

08/2018 - 10/2018

Solely developed Digital Signature app for hospitals: enables PDF viewing & signing on iPads/electronic pads. Designed UI, integrated e-signatures — digitized paperwork, reduced manual handling by 80% and cut processing time by 60%

Hospital Real-Time Wall Display Dashboard – Bed & Room Availability

11/2017 - 03/2018

Solely developed wall-display app for hospitals: shows real-time room/bed availability & system metrics to inform patients & staff. Designed interface, integrated data sources & ensured efficient aggregation/display — improved patient flow, reduced wait times by ~30% & boosted staff efficiency/resource utilization.

Healthcare Applications Suite | React, Angular, React Native | 2018 – 2026

Delivered multiple healthcare applications including: Kauvery Kare (patient health & home sample collection), Capital Ambulance (telehealth with mood tracking), hospital registration portals (NLB & CCOD), appointment booking platforms, DICOM file transfer systems, and real-time wall displays for bed availability—collectively serving patients and healthcare staff.

SKILLS

Core Frameworks & Libraries: Angular, CSS3, HTML5, JavaScript (ES6+), React.js (incl. Next.js), React Native, Vue.js

State Management & Architecture: Advanced Angular Forms, Complex Validations, Context API, Jotai, Pinia, React Hooks, Redux, RXJS, Zustand

Styling & UI: Bootstrap, CSS Grid, Flexbox, Material-UI (MUI) / similar UI libraries, Mobile-First Design, Responsive Design, SASS/SCSS, shadcn/ui, Tailwind CSS

Tools & Build: Chrome DevTools, ESLint, Git, npm/yarn/pnpm, Prettier, TypeScript, Vite, Webpack

Testing & Quality: Accessibility (WCAG), Core Web Vitals, Cross-Browser Compatibility, Cypress, End-to-End Testing, Jest, Lighthouse, Performance Optimization, React Testing Library, Unit Testing

Progressive & Modern Web: Offline Capabilities, Progressive Web Apps (PWA), Server-Side Rendering (SSR), Service Workers

Full-Stack & Backend Exposure: Express.js, Fastify, MEAN Stack, MERN Stack, MEVN Stack, MongoDB, Node.js, REST APIs

Design & Prototyping: Figma, Prototyping, UI/UX Design, Wireframing

Specialized & Domain-Specific: Chrome Extensions, DICOM Handling, Digital Signature Implementation, Drag-and-Drop UI, IoT Integration, Live Streaming Integration, Micro-frontends, Real-Time Applications, Reveal.js (Presentations), Rich Text Editors, Timeline Tracking, Workflow Automation

Practices & Soft/Leadership: Agile Methodologies, Code Reviews, Cross-Platform Development (Web, Desktop), Error Handling, Mentoring, Mobile, SEO Optimization, Team Collaboration, Theme Management

EDUCATION

Bachelor of Engineering in Electronics and Communications

Park College of Engineering and Technology • India • GPA: 6.7

01/2012 - 12/2016