

# Madan Lal Full Stack Front End Software Engineer

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4+ years of experience | 13+ projects for 5+ clients | Passionate about **scalable, clean, quality code** and pixel-perfect design

## WORK EXPERIENCE

### Senior Software Engineer, Creospan Inc.

Oct 2025 – Present | Pune

- **Architected micro-frontend applications** using React 18 and Module Federation to enhance system scalability and team autonomy.
- **Spearheaded MUI v7 migration**, establishing a reusable, accessible component library and standardized error-handling boundaries.
- **Optimized system performance** by refining SQL queries and implementing debouncing/caching, significantly reducing API latency.
- **Led security initiatives**, including Role-Based Access Control (RBAC) and session management, ensuring enterprise-grade data protection.

### Software Engineer, Creospan Inc.

Mar 2025 – Oct 2025 | Pune

- **Engineered 20+ RESTful endpoints** and microservices using Node.js/ Express, integrating third party APIs.
- **Developed 30+ reusable React/TypeScript components**, maintaining 100% responsive design and high accessibility standards.
- **Drove code quality** by implementing comprehensive Jest/RTL test suites and resolving 50+ critical production bugs.
- **Managed full-cycle data operations**, from SQL schema design to complex migrations and data transformations.

### Frontend Software Engineer(Freelancer), Artios Media Consulting

Mar 2023 – Aug 2024 | Remote

- **Delivered 3 full-scale products** (CopConnect, AttackWiz, TheVolunteer) using Next.js, React Native, and Redux.
- **Engineered cross-platform mobile app** with WebRTC for audio-video calling and screen sharing; achieved 5k+ downloads and 4.6 rating.
- **Architected client-server communication systems** using Redux Saga and React Flow for synchronized graph state updates.
- **Optimized page load times by 20%** and enhanced UI for complex nested form builders and exam interfaces.

### Associate Software Engineer, Akrity Computing ↗

Nov 2021 – Feb 2023 | Bangalore

- **Collaborated with CTO** to design config-driven database tables and improve SaaS product functionality.
- **Automated workflows** by integrating Zoom via Webhook and OAuth flow, improving platform UX by 30%.
- **Resolved complex technical issues** involving background transcription jobs and 2000+ segment filtration.

### Associate Software Engineer Intern, Akrity Computing ↗

May 2021 – Oct 2021 | Bangalore

- **Developed a Low-Code Form Builder**: Architected a platform enabling dynamic form creation and management via a single line of code, utilizing **React** and **Ruby on Rails** to reduce technical barriers for users.
- **Full-Stack Prototyping & Design**: Engineered custom wireframes and database schemas while researching high-impact solutions, including third-party integrations and browser extension auto-installations.

### Frontend Developer, Adorway

Feb 2021 – Apr 2021 | Bareilly

- **Led Frontend Development for "Eathub 365"**: Architected customer, vendor, and delivery applications using **Next.js, React, and React Native**, integrating real-time order tracking and secure payment gateways.
- **Cross-Platform UI Execution**: Collaborated with design teams to build 50+ responsive, high-performance screens, ensuring seamless cross-browser compatibility and optimized user experiences.

## SKILLS

**Frontend:** NextJS, React, React Native, Jest, Angular, TypeScript, JavaScript (ES6+), HTML, CSS, SCSS, Material UI (MUI), Tailwind, Bootstrap, jQuery, Redux, Saga, React Hooks, Context API, Styled-components, Emotion, UI/UX, Responsive Design, DOM manipulation, Lodash, Underscore, ESLint, Cypress

**Backend:** Node.js, Express.js, REST API, Ruby on Rails, MongoDB, MySQL, Firebase, SQL, Microservices, Web Servers, WebSocket, JWT, API Integration, Algorithms, Data Structures

**DevOps:** AWS (EC2), Google Cloud, OAuth, Jira, Git, GitHub, Bitbucket, Unit Testing, Postman, Version Control, Project Management, Web Security, Web Development, Figma, Code Reviews

## PROJECTS

### Data Recovery Website ↗

- **Developed** a robust, **responsive** and **SEO-optimized** categorized recovery pages to improve **user experience** and streamline services using **Next.js, React, and Material UI**
- **Integrated secure lead generation forms** and streamlined the **customer journey**, contributing to a **20% growth** in overall **customer engagement** across India.

### Academic Management System

- **Developed a centralized platform** to manage the workflow of educational institutes using **React Native** and **Expo**.
- Designed for managing **student data, attendance tracking, online assessments, and communication tools**, implemented **20+ features**

## ACTIVITIES & ACHIEVEMENTS

- Organized **Autumn Hacks ↗** hackathon
- Top **5** finalist in Hackpcbt 1.0 & Top **10** finalist in HackVSIT 3.0 hackathon.
- Top **3** finalist in **Data Structure & Algorithm** competition
- Cricket tournament winner as captain showing **leadership & teamwork**

## EDUCATION

**BTech, Computer Science & Engineering**, Lovely Professional University, Punjab