

HARSHAL MADGULKAR

MERN Stack Developer

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Profile Summary

MERN Stack Developer with 1.5+ years of experience building scalable, high-performance full-stack web applications using React.js, TypeScript, Node.js, Express.js, and MongoDB. Delivered large-scale municipal projects for Pimpri Chinchwad Municipal Corporation, including the School Management Information System, Clinic Licensing and Registration System, Environmental Status Report and Garden E-Ticketing Platform.

Skills

- **Languages:** JavaScript, TypeScript, HTML, CSS
- **Frontend:** React.js, Vite, Redux Toolkit, Redux Persist, ShadCN UI, Tailwind CSS
- **Backend:** Node.js, Express.js, MongoDB, Mongoose, JWT, Morgan, nodemailer
- **Tools & Platforms:** Visual Studio Code, MongoDB Compass, Postman, Bruno, Git, EaseBuzz

Experience

Foxberry Technologies Pvt. Ltd.

Feb 2025 – Feb 2026

Solution (MERN Stack) Developer

Pune

- Engineered a custom internal React.js platform and shared UI library to centrally manage feature visibility and component standardization across all projects.
- Drove operational efficiency by reducing developer rework by 40% and deployment time by 30% across web and mobile.
- Spearheaded full-stack development (MongoDB, Express, React, Node.js, TypeScript) for multiple large-scale, public applications for the Pimpri Chinchwad Municipal Corporation.
- Key client projects include are 1. School Management Information System (SMIS), 2. Garden E-Ticketing Platform, 3. Clinic Licensing & Registration System and the 4. Environmental Status Report.

Program-Warehouse Pvt. Ltd.

Mar 2024 – Sep 2024

Frontend (React) Developer Intern

Jaipur

- Built responsive React.js/Tailwind apps from design mockups, ensuring clean, production-ready code.
- Developed responsive, interactive web apps using React.js and Tailwind CSS for live projects.
- Converted design mockups into clean, standards-compliant code, collaborating with senior developers to ensure quality.
- Implemented efficient state management with Redux and Context API, enhancing app performance.

Projects

School Management Information System (SMIS) | React.js, TypeScript, Redux, Tailwind CSS | **Live**

- Implemented a comprehensive role-based React.js front-end for all municipal schools to centralize data management.
- Built complex UI workflows for student records, attendance, mark sheets, and staff management, ensuring consistent state management and high performance rendering.
- Engineered a hierarchical holiday display system (global, school, role, class-level) fully integrated into the front-end, enabling accurate attendance and reporting for all user roles.

Garden E-Ticketing Platform | React.js, TypeScript, Redux, Node.js, Express.js, MongoDB, Mongoose | **Live**

- Developed the end-to-end ticketing logic using Node.js and Express, implementing secure RESTful endpoints for real-time QR-code generation and ticket validation.
- Architected scalable MongoDB schemas to manage high-volume visitor data and integrated secure third-party payment workflows, automating transaction transparency and eliminating manual cash handling across multiple locations.

Clinic Licensing & Registration System | React.js, TypeScript, Redux, Tailwind CSS | **Live**

- Engineered a complex, role-based React.js application for clinic and pathology licensing and regulatory compliance.
- Implemented a critical 4-layer administrative approval workflow (Admin, HOD, 3 Approvers) to enforce strict government compliance and transparency.
- Features include payment integration, automated certificate generation, and a complete audit trail for regulatory actions.

Education

Bachelor of Technology in Mechanical Engineering

July 2023

Fabtech Technical Campus College of Engineering and Research

8.83/10.00 CGPA