Harsh Userethe

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Professional Summary

Full-Stack Software Engineer specialized in building high-performance web applications using React.js and Node.js. Proven track record of architecting scalable RESTful APIs and optimizing database schemas to improve system efficiency. Focused on delivering modular, maintainable code and implementing industry best practices within Agile/Scrum environments. Adept at bridging the gap between front-end aesthetics and back-end logic to create seamless, end-to-end user experiences.

Experience

Software Engineer — Java R&D Pvt. Ltd.   Oct 2025 – Present

- **Feature Development:** Built and shipped full-stack modules using the MERN stack, specifically migrating legacy frontends to React/Next.js to improve SEO and initial load speeds.
- **State & API Logic:** Implemented Zustand for lightweight state management and developed Node.js middleware to handle JWT-based authentication and Role-Based Access Control (RBAC).
- **Database Optimization:** Managed data migrations between MySQL and MongoDB using Mongoose/Sequelize, optimizing query structures to reduce API latency.
- **Modern Deployment:** Maintained development consistency by Dockerizing local environments and deploying application builds to AWS EC2 instances.

Software Developer — Net Legends   Jun 2024 – Oct 2025

- **Full-Stack Development:** Built web applications using React.js and Next.js, implementing Server-Side Rendering (SSR) to improve initial load times and SEO performance.
- **Responsive Design:** Translated Figma/UI designs into clean HTML5/CSS3 code using Tailwind CSS and Bootstrap, ensuring 100% cross-browser and mobile compatibility.
- **Backend & Database:** Designed and integrated Node.js services with MongoDB and MySQL, optimizing complex joins and aggregation pipelines to maintain smooth data flow to the frontend.

Education

Sagar Institute of Research and Technology   Jun 2020 – Jun 2024
Bachelor of Technology in Computer Science & Engineering | CGPA: 8.13   Bhopal, Madhya Pradesh

Technical Skills

- **Programming Languages:** JavaScript (ES6+), HTML5, CSS3, SQL
- **Front-end:** React.js, Next.js, React Native, Redux, Context API, Zustand, Tailwind CSS, Material UI, Bootstrap
- **Back-end:** Node.js, Express.js, RESTful APIs, JWT, OAuth, Mongoose
- **Database:** MongoDB, MySQL, MariaDB
- **Development Tools & Cloud Platform:** VS Code, Git, GitHub, Postman, Firebase, AWS (EC2/S3), Docker

Projects

FIDS – Flight Information Display System | ⓞ View on GitHub

- Developed a real-time flight tracking interface using React.js and Axios, synchronizing frontend state with a MySQL backend to handle live gate and baggage belt updates.
- Engineered a logic-based multilingual announcement module that automatically converts flight data into audio broadcasts in both Hindi and English.
- Designed a modular admin dashboard for airport staff to manage kiosk statuses and flight schedules, ensuring high data consistency across terminal-wide displays.

Localhire – Job Portal | ⓞ View on GitHub

- Authentication: Built a secure login system using Mobile OTP and JWT, managing secure user sessions and global state via the React Context API.
- Search Logic: Engineered a multi-parameter filtering system (location, role, salary) to query a MongoDB database, returning optimized real-time results for job seekers.
- Employer Suite: Developed a complete CRUD interface for companies to manage the life-cycle of job postings and track applicant data through a centralized dashboard.