

Prateek Jain

Sector 136, Noida

Software Engineer

MERN Stack | Next.js | TypeScript

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Portfolio

GitHub Profile

LinkedIn Profile

PROFESSIONAL SUMMARY

A dynamic Software Engineer with 2 years of experience architecting and deploying high-impact, end-to-end web solutions. Specializes in the MERN stack (MongoDB, Express.js, React.js, Node.js), Next.js, and TypeScript. Proven ability to elevate application performance by over 40%

EDUCATION

•Bachelor of Technology in Computer Science and Engineering

GLA University, Mathura

2020-24

7.86 CGPA

PROFESSIONAL EXPERIENCE

•Software Development Engineer 1

April 2024 – Present

PsiBorg Technologies Pvt. Ltd.

Noida, India

- Engineered and scaled end-to-end features for web applications using React.js/Next.js on the frontend and Node.js for the backend, boosting user engagement by 15%.
- Optimized frontend performance by over 40% by implementing code splitting, lazy loading, and component memoization.
- Architected and implemented a secure Role-Based Access Control (RBAC) system across 3 major applications.
- Automated build, testing, and deployment workflows using CI/CD pipelines with GitHub Actions, cutting manual deployment efforts by 50%.

•React.js Developer Intern

August 2023 – November 2023

CodeAlpha

Remote

- Developed a full-stack e-commerce platform using React.js, achieving a 90+ Lighthouse score for exceptional performance.
- Designed and built secure REST APIs for user authentication and management for a prototype application with 100+ test users.
- Crafted a library of 20+ responsive UI components with Tailwind CSS, ensuring a consistent and modern UX.

KEY PROJECTS

•Real-Time Manpower Tracking System

PsiBorg Technologies

Technologies: Next.js, React, Material UI, RBAC, Leaflet.js

Ongoing

- Spearheaded the frontend development for a real-time asset tracking dashboard using Next.js and Material UI.
- Engineered a custom visualization component using the Leaflet.js library to overlay and track live asset positions on custom floor plan images.
- Implemented a granular Role-Based Access Control (RBAC) system on the frontend to manage permissions and render tailored views for different user roles.

•Safome - SOS Device Management System

PsiBorg Technologies

Technologies: React.js, Context API, Node.js, Express.js, MongoDB

- Led the end-to-end development of an SOS device management system supporting 500+ concurrent device interactions.
- Designed and implemented RESTful APIs using Node.js and Express.js to handle device data and user management.
- Engineered a geo-fencing interface in React that decreased emergency alert response times by 30%.

•Smart Washroom System – IoT Dashboard

PsiBorg Technologies

Technologies: Next.js, TypeScript, Context API, WebSockets

- Crafted a comprehensive IoT dashboard to visualize data from over 200+ sensors across 10 facilities in real-time.
- Integrated WebSocket services to achieve real-time data visualization with a latency of less than 200ms.
- Designed a multi-level facility management interface that improved janitorial resource allocation by 20%.

•Live Temperature Humidity Monitoring System

PsiBorg Technologies

Technologies: Electron.js, Next.js, Node.js, Express.js, MongoDB

- Pioneered a full-stack desktop monitoring system using Electron.js, achieving 50% faster data access than web-based alternatives.
- Built a robust backend API with Node.js and Express.js, stress-tested to handle up to 1,000 requests per minute.
- Configured a MongoDB schema for efficient storage and retrieval of time-series sensor data.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3

Frontend: React.js, Next.js, Redux, Context API, Material UI, Tailwind CSS, Leaflet.js

Backend: Node.js, Express.js, WebSockets, RESTful APIs

Databases: MongoDB

Developer Tools: Git, GitHub, Docker, Postman, VS Code

Deployment DevOps: CI/CD, GitHub Actions, Vercel, Netlify

Other Technologies: Electron.js, Progressive Web Apps (PWA), Agile Methodologies

CERTIFICATIONS

- Full-Stack Development Certification (React.js, Next.js)** Infosys Springboard
- Professional Frontend Development (Advanced React.js and Next.js)** Online Course
- React and Redux Certification** Online Course
- Next.js Performance Optimization** Online Course