

PRATEET TIWARI

Full-Stack Developer (MERN) | Real-Time Systems | Distributed Backends

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SUMMARY

Full-Stack Developer specializing in scalable real-time applications using MERN. Experienced with WebRTC, Socket.io, distributed systems, and performance optimization. Focused on building production-ready systems with low latency and high availability.

TECHNICAL SKILLS

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

Frontend: React.js, Next.js, Redux, TailwindCSS, Remix, Svelte, Framer, GSAP, Three.js

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

Databases: MongoDB, PostgreSQL, Redis

Tools & DevOps: Git, Docker, CI/CD, Jest, Postman

Cloud & Deployment: Vercel, Render, Netlify, Firebase, Cloudinary

PROJECT EXPERIENCE

Authly - SDK

TypeScript, NPM, Node.js, SDK Development

- Developed a framework-agnostic authentication SDK and self hosted backend focused on security and DX
- Engineered critical features like refresh token rotation, polymorphic session tracking and remote revocation
- Secured platform with JWT authentication and email verification

GeeksGram – Social Media Platform

React, Node, MongoDB, Socket.io, WebRTC, Redux

- Implemented real-time messaging & video and voice calls
- Achieved <100ms latency with WebRTC and 60% faster APIs using Redis caching.
- Secured platform with JWT authentication and email verification

GetRides – Ride-Hailing Platform

React, Node, MongoDB, Socket.io, Leaflet, OSRM

- Developed real-time GPS tracking and efficient driver-rider matching algorithms.
- Reduced API costs by 70% by integrating open-source routing services (OSRM).

Google Maps Alternative

React, Leaflet, OSRM, Nominatim, WebSockets

- Eliminated \$500+/month map API costs through open-source map integration.
- Provided live routing with <200ms response time and 98% accuracy.

EDUCATION

B.Tech - Computer Science Engineering

ABES Engineering College, Ghaziabad (2023–2027)

Relevant Coursework: DSA, DBMS, OS, Web Technologies

CERTIFICATIONS & ACHIEVEMENTS

- Web Developer Bootcamp (Udemy)
- 500+ GitHub contributions
- 4+ production-ready applications