

# PRATEET TIWARI

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## SUMMARY

Full-stack developer specializing in building scalable, production-ready web applications. Experienced across frontend and backend systems with a strong focus on performance, reliability, and clean architecture. Passionate about designing distributed systems that remain maintainable under real-world load.

## TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, C++, HTML/CSS
- **Frontend:** React.js, Next.js, Redux, Tailwind CSS, Framer Motion, Three.js
- **Backend:** Node.js, Express, Koa, Fastify, NestJS, REST & GraphQL APIs, Socket.io, WebRTC
- **Databases & ORM:** MongoDB, PostgreSQL, ClickHouse, Redis, Prisma
- **DevOps & Tools:** Docker, GitHub Actions (CI/CD), Git & GitHub, Postman, Requestly
- **BaaS & Deployment:** Supabase, Firebase, Clerk, Cloudinary, Vercel, Render

## PROJECTS

[Distributed Log Ingestion System \(LogStream\)](#) | *Fastify, Kafka, ClickHouse* Jan 2026 – Feb 2026

- Designed a high-throughput, event-driven logging microservice using **Kafka (KRaft mode)** and **Fastify**.
- Decoupled ingestion from storage using a producer-consumer architecture, ensuring predictable scaling under load.
- Implemented a batch-processing worker to efficiently write logs to **ClickHouse** for real-time OLAP analytics.
- Containerized the entire stack with **Docker Compose** and automated CI pipelines using **GitHub Actions**.

[Authly - Authentication SDK](#) | *TypeScript, Node.js, NPM* Dec 2025 – Jan 2026

- Engineered a framework-agnostic authentication SDK with a dedicated self-hosted backend, published on NPM (270+ installs).
- Implemented secure **JWT authentication** with refresh token rotation, session tracking, and remote session revocation.
- Designed a developer-friendly API similar to Auth0, including documentation and type-safe integration.

[GeeksGram - Social Media Platform](#) | *React, Redux, WebRTC, Redis* Oct 2025 – Nov 2025

- Built a real-time social platform featuring low-latency messaging and video calling using **Socket.io** and **WebRTC**.
- Optimized API response times by 60% using **Redis caching** for user feeds and search results.
- Implemented optimistic UI updates and Redux state management for a seamless, app-like mobile experience.

[Open-Source Maps Platform](#) | *Leaflet, OSRM, WebSockets* Aug 2025 – Sep 2025

- Developed a Google Maps alternative using Open Source Routing Machine (OSRM) and Nominatim, reducing API costs to zero.
- Implemented real-time navigation tracking via **WebSockets**, achieving sub-200ms location updates.

## EDUCATION

**ABES Engineering College**, Delhi NCR, India  
Bachelor of Technology in Computer Science and Engineering

Expected August 2027