

Kandarp Singh

Full Stack Engineer | React | Node.js | TypeScript | Scalable Microservices

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Summary

Full-stack engineer (2.5+ YOE) delivering fast, scalable React + Node systems with 35–80% performance gains, high-throughput microservices, and strong end-to-end ownership.

Technologies

Core: React, Next.js, TypeScript, Node.js, NestJS

Backend and Data: PostgreSQL, Redis, REST APIs, Microservices, OpenAI SDK, WebSockets

Testing and DevOps: Jest, React Testing Library, Supertest, Docker, CI/CD, Azure

Experience

HSBC, Software Engineer

Bengaluru, India
Sep 2025 – Present

- Built a mentoring platform for 5,000+ users using Next.js, PostgreSQL, and Drizzle ORM; increased onboarding completion by 32% via optimized data flows and caching.

First American (India), Software Engineer I → II

Remote
Apr 2023 – Sep 2025

- Worked on the task & workflow management platform Relay, powering multiple ClarityFirst operations (tasking, email workflows, rundowns, team management).
- Decreased Time-to-Interactive by 35–50% across core rundowns and email views through React performance tuning, virtualized lists, batching, and API redesign.
- Built and scaled backend microservices using NestJS, TypeORM and RabbitMQ supporting high-volume task updates, event logs, and team workflows.
- Designed micro-frontends with Module Federation + TanStack Query, reducing bundle size by 40% and speeding up internal load times.
- Reduced service latency 800ms→200ms via SQL indexing, query restructuring, Redis caching, and endpoint refactoring.
- Created a shared React component library adopted by 4 teams, cutting UI development effort by 25%.
- Added OpenTelemetry distributed tracing across frontend + backend, improving debugging speed for distributed workflows.

Projects

AI-Enhanced Migration Tool, (Golang, OpenAI API)

- Built an LLM-assisted migration engine that converted 1,200+ Enzyme test suites → React Testing Library, achieving 90% correctness and saving 200+ engineering hours.
- Designed a scalable pipeline using AST parsing, LLM-based reasoning, and validation heuristics to enable safe and reproducible test refactoring at scale.

Education

B.Tech, Jaypee Institute of Information Technology, Noida, India
Electronics and Communication Engineering

2017 – 2022