Rupam Das

+91 7602797062 — rejisterjack@gmail.com — linkedin.com/in/rejisterjack — github.com/rejisterjack

Professional Summary

Full-stack software engineer with 3+ years of experience architecting and scaling web applications serving 5,000+ concurrent users. Proven expertise in React.js, Node.js, and TypeScript with measurable impact: 40% load time reduction, 95% test coverage, and AI-driven features processing 10,000+ requests/day. Led cross-functional teams to ship production systems and spearheaded performance optimization initiatives.

Technical Skills

Languages: TypeScript, JavaScript, Python, Go, SQL, HTML5, CSS3
Frontend: React.js, Next.js, React Native, Redux Toolkit, Recoil, React Query, TailwindCSS, Material UI
Backend: Node.js, Nest.js, Express.js, Fastify, REST APIs, GraphQL, gRPC, WebSockets (Socket.io)
Databases & Cache: PostgreSQL, MongoDB, Redis, Prisma, Drizzle, TypeORM
DevOps & Infrastructure: Docker, Kubernetes, AWS (EC2, S3, Lambda), GCP, CI/CD (GitHub Actions), Nginx
Testing & Quality: Jest, Vitest, Cypress, React Testing Library (95%+ coverage focus)
Architecture & Design: Microservices, Micro-Frontends, Event-Driven Systems, RESTful APIs, System Design

Experience

PostQode
Jul 2025 – Present
Software Engineer — *Bengaluru*

- **VS Code Extension UI System**: Designed Material UI integration with custom theme adapter enabling real-time theme switching in VS Code webview; ensured MUI component compatibility with VS Code's theming system.
- **Real-Time Git Change Tracking**: Built a Git status tracker achieving 100% accuracy in nested file change detection; reduced sync latency from 3s to 200ms using Node.js child processes and Git watchers.
- **Request Execution Inheritance System**: Architected inheritance model for API test execution, enabling test suites to inherit configurations, hooks, and variables from parents; eliminated 60% of manual setup code while supporting cascading properties.
- **Monaco Editor Integration**: Resolved critical Content Security Policy conflicts, restoring autocomplete and code editing functionality in VS Code extension; improved developer productivity in API request workflows.

EL Nova Labs
Mar 2024 – Jun 2025
Software Engineer — *Remote*

- **Educational ERP & Team Leadership**: Led 5-member frontend team architecting React/Redux system for ERP platform serving 5,000+ concurrent users; chose Redux over Recoil for state management predictability and testing. Achieved 40% load time reduction through code splitting, memoization, and normalized state.
- **AI-Powered Administrative Features**: Implemented GPT-4 integrated notice generation with voice processing; engineered RAG application using LangChain processing 10,000+ documents with 85% retrieval accuracy, reducing administrative workload by 62%.
- **Testing & Deployment Infrastructure**: Established testing framework with Vitest and React Testing Library, achieving 95% code coverage; automated GitHub Actions CI/CD pipeline with blue-green deployment strategy enabling zero-downtime releases.

Big Wings LLC
Jan 2023 – Feb 2024
Frontend Engineer — *Chandigarh*

- **Truck Management System**: Architected production-grade React/TypeScript frontend for fleet management system tracking 200+ commercial vehicles; designed scalable Redux state architecture and reusable component library supporting real-time operations.
- **Real-Time Fleet Monitoring**: Integrated Samsara ELD APIs with WebSocket connections for live GPS tracking, vehicle diagnostics, and camera feeds; reduced emergency response time from 20 to 10 minutes (50% improvement), enhancing fleet safety.

Education

Bengal Institute of Technology
June 2018 - July 2022
Bachelor of Technology in Computer Science Engineering (GPA: 8.2 / 10) — *Kolkata, West Bengal*