Rupam Das

📞 7602797062 ✉ rejisterjack@gmail.com 🔗 linkedin.com/in/rejisterjack 🐙 github.com/rejisterjack 👤 Portfolio

Technical Skills

Languages & Frameworks: TypeScript, JavaScript, Python, React, Next.js, Nest.js, Node.js, Express, GoLang, Rust
UI & State Management: TailwindCSS, Material UI, Chakra UI, Redux Toolkit, Recoil, React Query
APIs & Databases: REST, GraphQL, Grpc, WebRTC, Socket.io, PostgreSQL, MongoDB, Prisma, Drizzle
DevOps & Testing: Docker, Kubernetes, AWS, Azure DevOps, CI/CD (GitHub Actions), Jest, Cypress
Architecture & Methodologies: Microservices, Micro-Frontends, Agile/Scrum, Test-Driven Development
Computer Science Fundamentals: Data Structures, Algorithms, Big-O Analysis, Time & Space Complexity, Recursion, Dynamic Programming

Experience

EL Nova Labs   Mar 2024 – June 2025
Software Engineer II   *Remote*

- **Backend Microservices**: Designed and implemented scalable help & support microservices using Bun and Elysia.js, improving system reliability and reducing response time.
- **Real-Time Chat Backend**: Led end-to-end development of a Socket.io-based chat functionality, including backend architecture, API integration, and event-driven state synchronization, enabling seamless real-time communication.
- **Micro-Frontend Architecture**: Spearheaded the design and implementation of a micro-frontend architecture, ensuring modularity and cross-platform consistency across large-scale applications.
- **Real-Time State Management**: Engineered advanced state synchronization using Redux Toolkit, reducing UI data inconsistencies and improving application reliability.
- **Testing Excellence**: Implemented and maintained unit and integration tests using Jest, Cypress, and React Testing Library, improving test coverage and ensuring a seamless user experience through proactive bug identification.

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

- **Query Management Backend**: Developed RESTful APIs using Node.js and MongoDB for contact forms and query resolution workflows, reducing manual intervention.
- **React Performance Optimization**: Optimized React components and revamped state management strategies, leading to a 45% improvement in vehicle tracking efficiency.
- **Custom Scheduling Algorithm**: Developed a dynamic scheduling algorithm for the frontend, reducing dispatch conflicts by 35% and ensuring seamless operations.

PrepBytes   Jul 2022 – Dec 2022
Software Engineer Intern   *Remote*

- **Responsive Web Development**: Delivered fully responsive and accessible interfaces using React.js, providing a seamless experience across devices.
- **State Management Workflow**: Improved maintainability by reducing bugs through efficient Redux state management, leading to a 15% enhancement in workflow efficiency.

Projects

Threads | *Next.js, React.js, Node.js, MongoDB, Clerk, ShadcnUI*   ↗ Live Url

- Designed and implemented a high-engagement social media platform with features supporting real-time interactions and seamless content sharing.
- Leveraged modern UI frameworks and backend services to ensure scalability and a smooth user experience.

Reudemy | *React.js, Express.js, Node.js, MongoDB, ChakraUI, Redux*   ↗ Live Url

- Built an immersive e-learning platform from scratch and an intuitive browsing experience.
- Developed the entire backend including user management, course enrollment, and payment processing.

Education

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