

- Spearheaded backend development of **microservices architecture** using **Node.js**, **NestJS**, **TypeScript**, **Redis**, and **RabbitMQ**, reducing transaction latency by **30%** and enhancing system scalability.
- Architected and developed scalable **microservices** using **Node.js**, **Nest.js**, and **TypeScript**, following domain-driven design and clean coding practices to reduce technical debt and increase system reliability.
- Implemented efficient inter-service communication with **gRPC** and **Protocol Buffers**, improving data transmission performance and enforcing strict API contracts.
- Engineered robust RESTful APIs with TypeORM and PostgreSQL, optimizing complex queries and data modeling for high-traffic enterprise systems.
- Ensured 98%+ code coverage by writing thorough **unit and integration tests** using **Jest** and **React Testing Library (RTL)**, enabling confident deployments, and reducing regressions.
- Resolved production bugs through **QA feedback loops**, log monitoring, and root cause analysis, improving system stability and customer satisfaction by 30%.
- Enhanced performance and reduced latency using **Redis** caching strategies, asynchronous processing, and optimized data access patterns.
- Developed interactive, responsive frontends using **React.js**, **React Hooks**, **Redux-Saga**, and **Material UI (MUI)**, improving usability and real-time interaction across web applications.
- Integrated **JWT-based authentication**, session handling, and **role-based access control (RBAC)** to ensure secure access across services.
- Followed Agile methodologies (**jira**) for sprint planning, backlog grooming, and cross-functional team collaboration, leading to a 15% increase in delivery velocity.
- Maintained code quality through peer reviews, **Bitbucket** workflows, and CI/CD pipelines, ensuring adherence to industry best practices and secure deployments.
- Consistently improved developer experience and app scalability by enforcing strong **TypeScript typing**, reusable components, and modular architecture.
- Actively contributed to problem-solving, system design reviews, and **code optimization**, ensuring **scalable, secure, and maintainable enterprise software**.

Resec Systems Pvt Ltd | HackersPrey

Full Stack Engineer

Apr 2022 - Jan 2025

- Led a team of 7 developers and designed scalable backend architecture using **Node.js**, **Express.js**, and **TypeScript**, implementing REST APIs for SDK integration that reduced error detection time by 40%.
- Built a **Next.js** and **React.js** frontend application with **Redux** for real-time monitoring of client application performance.
- Integrated **Elasticsearch** for high-speed data retrieval, improving search performance by 30% for error logs and event data.
- Implemented advanced **MongoDB aggregation pipelines** to process large datasets enabling efficient data transformation and reducing query latency by 30%. Streamlined **authentication, authorization**, and **role-based access**.
- Created a **custom SDK (npm package)** to capture and relay application's error, events and performance metrics, cutting QA-to-fix time by 40%.
- Implemented **data analytics and visualization** on the frontend using **Chart JS** for dynamic data representation.
- Deployed the system on **on-premise environments** for enterprise clients, achieving **20% cost savings** in error discovery and resolution during testing.
- Conducted **unit testing and integration testing** with **JEST**, ensuring **95% test coverage**, enhancing system reliability

and minimizing production downtime.

- Reduced engineering costs by 20% through automated error tracking and developer alerts.
- **Wrote Unit and Integration test cases** in **React Testing Library** and **JEST** to validate functionality thereby ensuring **98%** test coverage.
- Leveraged **Redis** for caching REST API transactions, reducing API response times by **30%**, ensuring seamless user experience in high-traffic scenarios.
- Followed **Agile (Kanban)** methodologies resulting in **20%** faster project completion.
- Implemented security measures to protect against **XSS** (Cross-Site Scripting) and **CSRF** (Cross-Site Request Forgery) in web applications.
- Enhanced application **accessibility** by incorporating **SEO** strategies and **semantic HTML** tags.
- Developed secure sign-up flows incorporating **JWT** tokens, cookies and sessions for end-to-end **authentication** and authorization processes.

**Spraxa Solutions Pvt Ltd | Internship**  
**Full Stack Engineer**

Dec 2021-Mar 2022

- Developed dynamic full-stack web applications using the **MERN stack** (MongoDB, Express.js, React.js, Node.js), with a focus on responsive UI and secure backend APIs using **JWT authentication**.
- Implemented **state management** with **React Hooks** and **Redux**, and built reusable UI components using **Material UI (MUI)** for modular and scalable frontends.
- Designed efficient **MongoDB schemas** and optimized data access using **Mongoose**, reducing API response times by 20%.
- Wrote unit tests using **Jest** and **React Testing Library (RTL)**, ensuring application stability with high test coverage.
- Collaborated in an **Agile team**, participating in sprints, code reviews, and QA-driven bug fixing, gaining hands-on experience with **Git**, **GitHub**, and basic **CI/CD**.

## EDUCATION

ITS Engineering College,  
Dr. APJ. Abdul Kalam Technical University, Uttar Pradesh, India  
Bachelor of Engineering in Computer Science and Engineers  
Cumulative GPA: 6.9/10

2016-2020

RDS IC PARA KURTHI JAFARPUR MAU GHOSI MAU, India  
Higher Secondary  
Percentage: 74%

2014

SMT I GANDHI IC PADMIDAN GHOSI MAU, India  
Secondary  
Percentage: 65%

2012

## SKILLS

React JS, Next JS, JavaScript, MongoDB, HTML 5, CSS3, TypeScript, Webpack, tailwind CSS, SCSS, Express.js, Node.js, Nest JS, Docker, MySQL, PostgreSQL, Agile, Microservice, Redux, AWS S3

### **Professional Summary:**

- 4+ years of experience as a **Full-Stack Developer** in the IT industry
- Adept at solving complex **business** problems with innovative **cloud full stack** solutions.
- Demonstrates strong **ownership, collaboration, and leadership** skills.
- Proven track record of **innovation and creative problem-solving**.