Rakshyak Satpathy

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SKILLS

React | NextJS | JavaScript | Typescript | Go | NodeJS | Redux | RTK | React Query | Express | Serverless | MongoDB | PostgreSQL | Redis | RabbitMQ | WebSocket | WebRTC | AWS | EC2 | EKS | Lambda | CDN | Jenkins | Docker | Kubernetes | Grafana | Mocha | Jest | Distributed | Decentralized Systems | Git | Linux OS | SysAdmin | Bash Scripting | SPA | SSR |

PROFESSIONAL EXPERIENCES

SOFTWARE ENGINEER **Bengaluru, Karnataka, India**
iBind Systems **JUNE 2024 - Present**

- Executed end-to-end tests for the CIP and eDoc Safe projects, improving product reliability and achieving a 45% reduction in critical bugs through functional testing, mocking APIs, response validation, and error handling.
- Used Postman for API testing, boosting integration reliability and performance by 40%.
- Implemented automated testing with Continuous Integration using Jenkins, achieving 20% faster deployments and increasing frontend test coverage by 30% with Jest and Playwright.

SOFTWARE ENGINEER **Bengaluru, Karnataka, India**
Opscale India **DEC 2022 - JAN 2024**

- Used Apache Airflow to create a strong data processing flow, effectively submitting users' tax payments to ZATCA and streamlining compliance processes, improving efficiency by 30%.
- Diagnosed, documented, and resolved 85% of client-reported bugs using JIRA, substantially improving user experience and ensuring 95% software quality.
- Built a Client RESTful service for generating, verifying, and submitting invoices to the Saudi Arabian government portal (ZATCA), enabling a smooth e-invoicing process and reducing processing time by 25%.

PROJECTS

Bittorrent client Using NodeJS (Click here) **APR 2024**

- Executed a BitTorrent client using Node.js, using socket connections for real-time data transfer and communication, resulting in a 40% increase in download speeds through decentralized communication.
- Designed backend logic in Node.js, with peer discovery, piece selection algorithms, and secure data transfer mechanisms, guaranteeing smooth data exchange and improving reliability by 35%.
- Built strong solutions to handle concurrent data requests and transfers, maximizing network efficiency and reducing latency by 50%.

Web Server Using Javascript (Click here) **DEC 2023**

- Developed a web server from scratch using JavaScript, focusing on server architecture fundamentals, with request handling and response generation, improving server response time by 30%.
- Designed a routing system to manage different endpoints and integrated middleware functions for logging, authentication, and error handling, enhancing system security and maintainability by 40%.
- Leveraged Node.js and Express to handle the backend logic, ensuring efficient processing of multiple simultaneous client requests, increasing throughput by 50% through techniques like asynchronous processing and connection pooling.

EDUCATION

BACHELOR OF COMPUTER SCIENCE **Bargarh, Odisha, India**
Panchayat Degree College **2018-2021**