

ADITYA KUMAR SINGH

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EXPERIENCE

NodeJS Developer

August 2023 - Present

Bili Consultancy Pvt. Ltd.

- Performed Node-JS development and API integration for real estate management system with real-time property lock system.
- Analyzed network traffic patterns to identify bottlenecks and optimize performance
- Implemented reusable scripts and reduced manual effort by 5th through efficient datapull.
- Conducted regular vulnerability assessments and applied patches to secure systems
- Conducted comprehensive regression and unit testing which ensured robust system performance, covering diverse edge cases.

Associate Developer

June 2022 - July 2023

Technixia Automation Pvt. Ltd.

- Led a team of 3, and successfully completed project modules well within the stipulated time period, resulting in overall profits.
- Improved and scaled database architecture and optimized existing codes resulting in increase in efficiency.
- Oversaw the migration of critical business applications to cloud-based platforms.
- Configured and monitored network security measures, including firewalls and intrusion detection systems.
- Achieved an improvement of 10% in performance metrics, continuously optimizing results.
- Implemented a fully automated employee management system, with biometric attendance and auto-salary calculations, which generated \$20000 profit.
- Maintained documentation for IT policies and procedures

TECHNICAL SKILLS

- **Programming Languages** - C, Python, Javascript, Typescript
- **Web Technologies** - HTML, JavaScript, React Native, RESTful web services development, NodeJS, ExpressJS, Microservices, Kubernetes, Docker, NATS, Redis
- **Databases** - SQL, PostgreSQL, MongoDB, NoSQL
- **Cloud and Deployment** - Firebase, AWS
- **Version Control** - Git, Github
- **API Development and Testing** - : Postman, SOAP UI
- **Course Subjects** - Object Oriented Programming, Data Structures and Algorithms

EDUCATION

B.Tech. (CSE)

Cochin University of Science & Technology

July 2019 - May 2023

PROJECTS

Technixia Smart Home Automation

- Developed a back-end for a NodeJS smart home application using HTTP and MQTT protocols.
- Deployed a MQTT broker server that facilitates data transfer between mobile/web applications and user appliances.
- Optimized server performance with the use of a load balancer server to prevent bottlenecks that resulted in increased customer satisfaction 35%.
- Guided ReactJS team in integrating MQTT protocol to be used in conjunction with HTTPS protocol using MQTT over websockets.

Alkizen Engicon

- Spearheaded the creation of a web application for property listing.
- Implemented a subscription model and RazorPay gateway.
- Established protected routes for 25% enhancement in secure access to sensitive features and data.
- Integrated Alexa voice assistant resulting in an increase in user onboarding by 10%.

Ingenkart

- Developed a robust platform for connecting online influencers with brands.
- Implemented Firebase authentication, achieving a 40% boost in data storage efficiency.
- Added various social platform features such as reels, live story, wallet system, enhancing user engagement by 30%.
- Integrated APIs to fetch user data from platforms like Youtube, Instagram,