Ritik Kumar

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SUMMARY

I am a dedicated **Backend Developer** with over **3.5 years of experience**, specializing in building scalable and efficient server-side applications using the **MERN stack** (MongoDB, Express.js, Node.js). My core strength lies in **Node.js backend development**, where I focus on designing robust RESTful APIs, database architecture, and integration with third-party services. I also have a working experience of front-end technologies (HTML5, CSS3, JavaScript, React.js, React Native) to support full-stack collaboration. I use **Jira** for sprint planning and issue tracking, and **Git**, **npm**, and **yarn** for source control and package management. With a strong focus on performance tuning and security best practices, I deliver maintainable, business-aligned software that drives.

TECHNICAL SKILLS

- **Programming Languages**: Expertise in JavaScript, Python
- **Frameworks and Libraries**: Node.JS, Express.JS, React.JS
- **Tools & Technology:** Microservice and Monolethic, Docker, Kubernative, Jenkins, GitHub, Jira**,** AWS, Burp Suite, Jmeter
- **Database**: SQL, NoSQL, ElasticSearch

EXPERIENCE

TECHBRIDGE CONSULTANCY SERVICES (Gurgaon, HR)
Software Developer (NOV 2021 - Present)

Network Monitoring System (NMS) (Jan 2022 - Present)
The project involved the integration of OpenNMS, a robust network management platform, with a custom React dashboard. The primary goal was to fetch data from the OpenNMS APIs and queries , manipulate its data on tool backend and present it in a user-friendly manner on the frontend.

- **Dashboard Development:** Successfully implemented a React-based dashboard, showcasing proficiency in frontend development.Created an intuitive and responsive user interface, ensuring a positive user experience
- **OpenNMS API Integration:** Effectively utilized OpenNMS API to retrieve relevant network management data. Demonstrated strong understanding of API integration principles and practices.
- **Data Visualization:** Implemented data visualization techniques to present complex network data in a comprehensible manner. Utilized React components to dynamically update and display real-time information
- **Cross-Functional Collaboration:** Worked seamlessly with OpenNMS software, showcasing adaptability and understanding of network management concepts. Collaborated across frontend and backend aspects, ensuring a cohesive integration
- **Performance Optimization:** Implemented optimizations in React code for improved performance and responsiveness. Ensured efficient data fetching and rendering, enhancing the overall usability of the dashboard.
- **Vulnerability Assessment and Penetration Testing (VAPT)** : Successfully conducted Security Testing (VAPT) for the entire tool to ensure its robustness against common threats. Identified and remediated security loopholes, enhancing the overall integrity and security compliance of the platform.
- **IT Service Management Tool Integration**: Integrated the system with an ITSM tool to automatically generate incident or service tickets based on critical alerts, alarms,events ,streamlining network issue resolution and support workflows.

Asset Manager   (Oct 2022 – Aug 2023)
The AssetManager project was a full-stack application focused on asset management. It utilized React for the frontend and **Node.js** as the backend middleware to interact with Itop APIs. Key features of this project include:

- **Form Handling with Redux**: Implemented Redux to manage multiple form submissions, ensuring state management was handled efficiently across various parts of the application.Barcode Scanning: Quickly scan barcodes to fetch and update asset data, ensuring accurate and real-time asset tracking.
- **Backend Middleware**: Developed a Node.js backend that served as an intermediary layer to communicate with external Itop APIs. This setup streamlined communication between the frontend and third-party APIs, making API interactions seamless and efficient..
- **API Integration**: Utilized the Node.js backend to interact with Itop APIs, showcasing strong skills in API management and middleware logic.

Automatic Voice Dailer   (Mar 2022 – Sep 2022)
This project involved developing a telecommunication solution for Bharti Airtel, integrating Node.js as the backend, React for the frontend, and utilizing MongoDB for data storage. The primary functionality included triggering outbound calls in the OAN (Operator Assisted Network) India based on incoming payloads.

- **Outbound Call Trigger:** Designed and implemented functionality to trigger outbound calls based on incoming payload data.
- **Call Logging in MongoDB:** Stored relevant call information in MongoDB before executing the outbound call, ensuring data persistence.
- **Integration with Tata SIP:** Integrated Tata SIP (Session Initiation Protocol) to execute outbound calls as per the specific payload type
- **Data Integrity:** Ensured data integrity by logging call information in MongoDB before execution, facilitating tracking and analysis

EDUCATION

RADHA GOVIND GROUP OF INSTITUTION (Meerut, UP)
Bachelor of Techlogogy (2017-2021)
- Graduated with a Bachelor's degree in Electronics and Communications with a CGPA of 8

CERTIFICTAES

- **REACT NATIVE WITH HOOKS (UDEMY, 2024)**
- **ADVANCED NODE.JS COURSE (UDEMY, 2023)**
- **PYTHON WITH DATA SCIENCE (IBM, 2020)**