Jitesh Kumar

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EXPERIENCE

Software Development Engineer   **Apr 2023 − Aug 2024**
honc   *Hyderabad, India*

- Developed RESTful APIs to enable real-time data sharing on vehicles, traffic, and motor repair reviews, enhancing user interaction and content exchange.
- Optimized backend performance using caching techniques using **Redis** and database indexing to ensure scalability and fast response times under high user traffic.
- Led a project focused on enhancing the marketplace service for the sale of cars, bikes, and accessories, driving a noteworthy **10000** increase in user engagement.
- Established a Review Service in **Node.js**, enabling users to post product reviews and ratings, and incorporated a feature for like the reviews.
- Integrated **SQS into microservices architecture** for seamless connection between servers, reducing the database load and **application server load by 30%**.
- Designed and implemented a polling system that enables users to create, manage, and participate in polls, enhancing user engagement and interaction.
- Contributed to **micro-services** design decisions aimed at enhancing scalability and reducing system downtime, resulting in a **50%** improvement in system performance.
- Implemented a highly efficient **Redis caching system**, improving **response times by 50%** and optimizing overall **application performance**.
- Streamlined service deployment through **Docker** containerization, leading to a **50%** reduction in deployment times.

Backend Developer   **Sep 2022 − Mar 2023**
Freelance   *India*

- Developed and maintained backend systems for a doctor booking app, implementing robust scheduling and user management features using Node.js and MongoDB.
- Built the backend for a grocery selling app, optimizing database queries and ensuring seamless API integration with front-end components.
- Faced issues with concurrent database reads and mitigated them by integrating Amazon SQS for message queuing, ensuring efficient and reliable processing.
- Deployed and managed application infrastructure on AWS, utilizing services like EC2 and S3 to ensure high availability and scalability.

TECHNICAL SKILLS

Languages: C/C++, JavaScript, TypeScript
Technologies: Node.js, Express.js, PostgreSQL, MongoDB, Redis
Tools: Docker, Git, GitHub, CI/CD, Postman, Visual Studio Code

TECHNICAL PROJECTS

Ask Buddy | *Node.js, Express.js, MongoDB, Docker* | ⬤ GitHub   **Aug 2023 − Sep 2023**

- Designed and built a robust QNA forum using Node.js and MongoDB, with efficient data handling and retrieval.
- Optimized forum performance through database indexing and query optimization techniques, resulting in 50% faster response times for user queries.
- Orchestrated Docker deployment and established a streamlined CI/CD pipeline & code format with GitHub Actions.

Spam Blocker Pro | *Node.js, Express.js, PostgreSQL* | ⬤ GitHub   **Feb 2023 − Mar 2023**

- Developed a RESTful API using Node.js for spam-blocking, integrated with a Postgres database to empower over 200 users in reporting and searching spam numbers.
- Designed and integrated user authentication and authorization protocols with **JWT** to ensure secure and personalized user experiences.
- Engineered search functionality to facilitate efficient contact search by name or phone number, **resulting in a 50% increase** in search results.

EDUCATION

Government Engineering College Vaishali   Vaishali, Bihar
Bachelor of Technology in Electronics and Communication Engineering | CGPA : 8.3/10   **Aug 2018 − Sep 2022**