

SULTAN ALTAMASH

Software Development Engineer

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EDUCATION

Shri Mata Vaishno Devi University

Bachelor of Technology (ECE)

July 2018 – June 2022

Jammu, India

TECHNICAL SKILLS

Languages: Javascript, Typescript, Python, HTML, CSS, Golang

Backend Frameworks: NodeJS, ExpressJs, NestJs.

Frontend Frameworks: ReactJS, Redux, Next.js.

Databases: PostgreSQL, MongoDB, Redis.

Tools: Docker, Kubernetes, RabbitMQ.

EXPERIENCE

Fitelo

Software Development Engineer

July 2022 – current

Mohali, India

- Designed and developed a dietitian booking system for customers to schedule appointments via the app, along with management dashboards to track and manage bookings. Implemented using Node.js, Express.js, and MongoDB in a monolithic architecture, streamlining the appointment scheduling process.
- Created and launched a Refer and Earn module for both customers and employees. Customers could refer others and earn redeemable cash credits via Razorpay, while employees could refer new customers. Developed an intuitive management dashboard to monitor referrals and rewards efficiently.
- Built an Inshorts-style personalized app feed with multiple categories and customized feeds based on user preferences, enhancing engagement and retention.
- Planned and executed the migration from a monolithic architecture to microservices, leveraging TypeScript, NestJS, PostgreSQL, and MongoDB for better scalability and maintainability. Utilized Docker for containerization of microservices, facilitating easier deployment and management.
- Redeveloped core modules such as the Refer and Earn module, dietitian booking system, and Inshorts-style app feed within the microservices architecture, incorporating Redis for caching and RabbitMQ for inter-service communication to ensure high performance and reliability.
- Designed and implemented a live session feature, enabling customers to book slots for various services like dance, yoga, and exercise. The system ensured real-time slot availability and smooth service management.
- Enhanced system performance by incorporating Redis for caching and RabbitMQ for asynchronous communication between services. Deployed applications on AWS, utilizing services such as EC2 for hosting and S3 for storage solutions, which improved overall system performance and reliability.

Xploitfree

Backend Developer

Jan 2022 – June 2022

Online

- Developed REST API and structured various routes according to the requirement.
- Integrated Google Analytics API in backend for visitors history.
- Fetched and stored data in our database (MongoDb) from google analytics data.
- Integrated front end with the backend ensuring smooth user experience.
- Tools : GitLab, Postman, Compass

ACHIEVEMENTS & IMPACT

- Eliminated single points of failure by migrating from a monolithic to a microservices architecture, resulting in improved system reliability and scalability.
- Reduced downtime to zero since the launch of microservices by implementing fault-tolerant designs and robust inter-service communication with RabbitMQ.
- Delivered consistent high performance by optimizing database queries and using caching mechanisms for frequently accessed data.