Jay Rana

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TECHNICAL SKILLS

Languages : Java, C/C++, JavaScript, HTML5, CSS, SQL

: Spring Boot, Node.js, ExpressJS Frameworks

Libraries : React, Redux, Mongoose, JWT, JUnit 5

Databases : MongoDB, MySQL, DynamoDB, Azure Cosmos DB

Tools & Technologies: AWS Cloud Services, Azure, Docker, Git/Github, Jira, Postman, MS Teams, SharePoint Maven

: Agile methodologies, SDLC, CI/CD Pipeline, Git Flow, SOLID Principles, RESTful APIs, Kubernetes, Test Concepts

Driven Development(TDD), Object Oriented Programming

GRADUATE PROJECTS

TripEase | ReactJS, Node.js, MongoDB, ExpressJS, Redux | 🗘

Jan 2023 - Apr 2023

- Created a responsive website using MERN stack and deployed this application on Netlify and Render.
- This platform enables users to plan trips, upload photos, and keep track of expenses throughout the trips.
- Enhanced User experience by developing the RESTful APIs that interact with MongoDB and provide JSON response.
- Integrated Stripe Payment Gateway for payment processing and SendGrid Email API for user communication.

TrimTrek | Java, Spring Boot, React, MySQL, JUnit 5, CI/CD, Git, SOLID |

May 2023 - Aug 2023

- Developed a comprehensive Barber Booking and Scheduling App designed to facilitate easy and efficient appointment scheduling with barbers.
- Applied Observer, Decorator, and Factory design patterns to improve code quality and maintainability.
- Adopting a test-driven development approach with 95% code coverage and adhering to Agile methodology ensured high-quality, reliable code and a more stable, error-resistant system.
- Tracked project progress using Git and JIRA, and managed the continuous deployment process using a CI/CD pipeline.

TriviaTitans | AWS Lambda, AWS Cognito, DynamoDB, AWS Lex, ReactJS, Node.js | 🖸

May 2023 - Aug 2023

- · Developed a serverless multi-cloud online trivia game, showcasing real-time competition and progress tracking.
- Architected a microservices-based solution utilizing both AWS and GCP services, demonstrating versatility in cloud platforms.
- · Utilized DynamoDB for persistent storage of user and team data, ensuring data integrity and fast retrieval.
- Managed backend operations through a combination of Google Cloud Functions and AWS Lambda functions, optimizing serverless computing.

PROFESSIONAL EXPERIENCE

Software Development Engineer | *JPMorgan Chase & Co.*

Jun 2022 - Sept 2022

- Contributed to the development of enterprise-level applications utilizing Java-J2EE and the Spring framework, showcasing strong technical and collaborative skills.
- Implemented REST APIs within a layered Spring architecture and utilized Hibernate for database operations.
- Attained practical expertise in the application of software development methodologies, securing adherence to industry best practices and standards in software design and implementation.
- Enhanced understanding of cloud technologies through coursework, excelling in a dynamic corporate setting.

Web Developer | Institute of Plasma Research

Dec 2021 - May 2022

- Led the creation of easy-to-use and good-looking user interfaces as a UI/UX Developer Engineer, working with ReactJS and teaming up with UI designers.
- Implemented the backend using NodeJS and ExpressJS, focusing on RESTful API integration.
- Utilized Redux for centralized application state management, ensuring efficient data synchronization with the database.
- Enhanced website speed by 30% through device-specific image optimization techniques, leading to quicker load times.

EDUCATION

Dalhousie University, Halifax, NS

Master of Applied Computer Science

Jan 2023 - Present CGPA: 3.8/4.3

Jul 2018 - May 2022

Bachelor of Technology in Computer Engineering

Dharmsinh Desai University, Nadiad, Gujarat

CPI: 8.1/10.0