




Jay Rana

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TECHNICAL/SOFT SKILLS

Languages	: Java, Python, C#, JavaScript, HTML5, CSS, XML, SQL
Frameworks/Libraries	: Spring Boot, Node.js, ExpressJS, ReactJS, Mongoose
Databases	: MongoDB, MySQL, DynamoDB
Tools & Technologies	: AWS, Azure, Docker, Kubernetes, Git/GitLab, Jira, Postman, SQL Server Management Studio, Jenkins, Maven, VS Code, IntelliJ IDE, MS Word, Outlook, Excel and PowerPoint
Concepts	: Agile methodologies, CI/CD, Terraform, SOAP (Web Services), SOLID Principles, Object Oriented Programming (OOP), Test Driven Development, Relational and NoSql databases, RESTful services
Soft Skills	: Teamwork & Collaboration, Excellent communication, Multitasking, Adaptability, Positive attitude

GRADUATE PROJECTS

TrimTrek <i>Java, Spring Boot, React, MySQL, JUnit 5, CI/CD, Git, SOLID</i> 	<i>May 2023 - Aug 2023</i>
<ul style="list-style-type: none">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.Tracked project progress using Git and JIRA, and managed the continuous deployment process using a CI/CD pipeline.	
TriviaTitans <i>AWS Lambda, AWS Cognito, DynamoDB, AWS Lex, ReactJS, Node.js</i> 	<i>May 2023 - Aug 2023</i>
<ul style="list-style-type: none">Developed a serverless multi-cloud online trivia game, showcasing real-time competition and progress tracking.Architected a microservices-based solution utilizing both AWS & GCP, 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.	
PodcastTranscription <i>ReactJS, Node.js, AWS Lambda, AWS EC2, Transcribe, CloudFormation</i> 	<i>Sept 2023 - Dec 2023</i>
<ul style="list-style-type: none">Developed a user-focused application for automated podcast transcription, enhancing accessibility and content analysis.Automated AWS CloudFormation deployment, cutting resource provisioning time by 20% for faster, more efficient system performance.Deployed the frontend on AWS EC2 and managed backend processes through serverless AWS Lambda functions.Focused on high transcription accuracy, rapid processing speed, scalability, user-friendly interface, and cost efficiency.	

PROFESSIONAL EXPERIENCE

Software Development Engineer <i>JPMorgan Chase & Co.</i>	<i>Jun 2021 – Sept 2021</i>
<ul style="list-style-type: none">Developed and optimized enterprise-level applications with Java-J2EE and Spring, showcasing advanced technical and analytical skills.Implemented and refined REST APIs for seamless application integration, demonstrating my capabilities in creating efficient, interoperable software solutions.Expertly utilized Hibernate for database operations, enhancing SQL database management and operations with a focus on reliability and scalability.Employed agile methodologies effectively, contributing to the team's success by fostering a collaborative and highly adaptable development environment.	
Web Developer <i>Institute of Plasma Research</i>	<i>Dec 2021 - May 2022</i>
<ul style="list-style-type: none">Optimized API integrations in full-stack applications, enhancing functionality and data flow. Utilized Python for backend improvements, showcasing adaptability in using diverse programming languages.Implemented centralized state management for efficient data synchronization, demonstrating my focus on robust application performance.Enhanced code quality and streamlined development processes by introducing and adhering to CI/CD pipeline practices, facilitating continuous integration and delivery for project efficiency.Boosted web app performance by 70% with caching and async programming, improving user experience across platforms.	

EDUCATION

Dalhousie University, Halifax, NS Master of Applied Computer Science	<i>Jan 2023 – Present</i> CGPA: 3.8/4.3
Dharmsinh Desai University, Nadiad, Gujarat Bachelor of Technology in Computer Engineering	<i>Jul 2018 – May 2022</i> CPI: 8.1/10.0