Jaswanth Yadla

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PROFESSIONAL EXPERIENCE

Software Engineer 1, *Q9 Software LLC*   Aug 2023 – Present | Charlotte, USA
- Implemented RESTful APIs, leveraging Java and Spring Boot, resulting in a 30% increase in API response speed as compared to SOAP APIs and a 25% reduction in endpoint errors.
- Utilized Swagger UI and Postman for comprehensive Web API testing, with a focus on security and authentication aspects resulting in a 40% reduction in API vulnerabilities.
- Executed CRON jobs using Spring Boot Annotations, periodically retrieving and processing information from the MDM metrics database every 6 hours, enabling timely data retrieval with over 95% accuracy.
- Integrated Single Sign-On and applied token-based authentication with AWS Identity Access Management (IAM) to enable user login for accessing all internal tools.
- Designed CI/CD pipelines utilizing Jenkins to automate build, test, and deployment processes and orchestrated Docker containers using Kubernetes in collaboration with DevOps teams, resulting in a 35% reduction in infrastructure costs.

Associate Software Engineer, *Cake Zone*   Mar 2020 – Oct 2021 | Chennai, India
- Developed a responsive Angular app with Bootstrap and Angular Material, seamlessly communicating with backend services using JSON for enhanced user interface and overall user experience.
- Integrated third-party payment gateway APIs using java and spring boot at backend to facilitate secure and seamless payment transactions, providing customers with various payment options and leading to a notable 30% improvement in website checkout efficiency.
- Incorporated and refined Test-Driven Development (TDD) practices, employing JUnit and Mockito to systematically reduce post-release issues by 20%, ensuring code reliability.
- Actively participated in Agile and Scrum, contributing to sprints and daily stand-ups, and ensuring task updates on Jira for streamlined tracking.

Developer Intern, *Internshala*   Jul 2018 – Aug 2018 | India
- Contributed to the design and development of web applications, handling server-side operations using Java, Spring Boot, and XML for web form implementations resulting in a 27% increase in development efficiency .
- Designed a responsive Single Page Applications (SPAs) using Angular framework for enhanced client-side interactivity.
- Utilized SQL Profiler for troubleshooting, monitoring, and optimizing SQL Server databases, non-production code, and T-SQL, identified and resolved 20+ performance bottlenecks, leading to a 32% improvement in query execution times.

SKILLS

Programming Languages: Java, C#, Python, Kotlin, JavaScript.
Web Technologies & Frameworks: HTML, CSS, Bootstrap, jQuery, AJAX, JSP, Spring MVC, JSON, XML, Hibernate, Angular, React JS, JUnit, Mockito, Angular Material UI, Spring Boot, Spring Security, ASP.NET Core, ASP.Net MVC, OAuth, OpenID Connect, Agile, Test-Driven Development (TDD), Git.
Databases & Cloud Technologies: MySQL, MongoDB, Microsoft SQL Server, Amazon EC2, Amazon S3, Amazon SQS, IAM, AWS Lambda.
Tools & Data Libraries: Visual Studio Code, GitHub, Postman, Jira, Maven, Gradle, NumPy, pandas, Scikit-learn, Matplotlib, Altair, Streamlit.

EDUCATION

Masters in Computer Science, *University of North Carolina at Charlotte*   Jan 2022 – May 2023 | Charlotte, USA
Related Coursework: Big Data Analytics using AWS, Database Systems, Software System Design & Implementation.

Bachelors in Computer Science, *RMK Engineering College*   Jun 2016 – Sep 2020 | Chennai, India
Related Coursework: Advanced Data Structures & Algorithms, Operating Systems, Cloud Computing.

PROJECTS

Sentiment Analysis using Logistic Regression ⬈
- Developed and implemented a sentiment analysis model using Logistic Regression to analyze large-scale textual data and classify sentiments into positive, negative, and neutral categories.
- Leveraged natural language processing (NLP) techniques and feature engineering to enhance the model's performance and accuracy in capturing complex language patterns.
- Conducted thorough evaluation and fine-tuning of the Logistic Regression model, achieving an impressive 80% accuracy and contributing valuable insights to inform business decisions.

Monolithic Quiz Application
- Engineered a Java-based Quiz application leveraging Spring Boot and MySQL, facilitating user participation, response submission, and instant score viewing.
- Integrated CRUD operations for quizzes, questions, and user information using Spring Data JPA, ensuring efficient data management.
- Architected RESTful API endpoints adhering to Spring MVC architecture for quiz generation, question retrieval, and user response management. Rigorously validated through Postman, achieving a 25% improvement in API response times, enhancing functionality and reliability.