



Nikhitha Konda

Software Engineer/Full Stack Developer

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SUMMARY

- Detail-oriented and highly skilled Software Engineer with over 4+ years of experience crafting high-performance applications across various domains. Demonstrates prowess in architecting, developing, and deploying scalable and secure solutions leveraging a comprehensive tech stack (Java, JavaScript, Python, Node.js, Spring, React, etc.). Excels in synergistic Agile environments, consistently delivering projects punctually and within budget.
- Experienced in both front-end and back-end development, with a track record of successful project implementation and a commitment to high-quality code. AWS Certified Architect with additional expertise in CI/CD tools, databases, and comprehensive testing.

TECHNICAL STACK

- **Programming Languages:** Java, JavaScript, C#, C, Python, NodeJS
- **Web Technologies:** HTML, CSS, Angular, React, Bootstrap, Typescript, Express JS
- **Frameworks:** Spring (Spring MVC, Spring Boot), .Net, Rest API, Hibernate
- **Test Cases:** Junit, Mockito, Mocha, Espresso, Selenium
- **Database:** SQL, MySQL, Oracle, MongoDB, PostgreSQL
- **Other Tools/CI/CD:** AWS, Git, Postman, SoapUI, Putty, ServiceNow, Maven, Apache, LDAP, JIRA, Jenkins, Splunk, Docker, Kubernetes, WSDL, Microservices, Eclipse
- **SDLC Methodologies:** Agile, Waterfall, SOA

WORK EXPERIENCE

Graduate Teaching Assistant, University of Central Florida August 2023 – December 2023

- Facilitated student learning in "Software Development" courses through tutorials and lab sessions. Collaborated with professors to develop course materials and assessments.

Full Stack Developer, EQUIFAX, INDIA April 2021 - August 2022

- Created web application 'Flight Management System' using Java, Spring Boot, Spring MVC, RestAPI implementing responsive and secure front-end interfaces with HTML, CSS, JavaScript, Typescript, Angular, React during my training period.
- Responsible for maintaining tickets that clients raise and fixes them. Designing, coding, debugging, testing, and deploying software programs and applications for Equifax and its clients that meets end-user requirements and specifications. Implemented solutions fixes for the existing modules, resulting in 80% reduction in the total number of bugs.
- Automated the continuous integration, testing, and deployment processes for the application utilizing Jenkins, Docker, and AWS CloudFormation, ensuring deployment to highly scalable EC2 instances.
- Successfully merged existing features into a unified solution, resulting in significant savings in time, cost, and resources.
- Established server & client-side infrastructure, along with DB configuration, within AWS environment for new clients. Refactored & optimized the existing code base to perform better under heavy traffic.
- Implemented automated CI/CD processes for the application utilizing Jenkins, Docker, AWS, successfully deploying to scalable EC2 instances. Engineered a highly scalable, event-driven data processing pipeline using Apache Kafka, Spring Kafka, and Spring Batch, efficiently managing over 1 million daily financial transactions with 99.9% reliability.
- Received Helping Hand award for providing extensive support for a record time at Capgemini.

Software Development Engineer in Test, AMAZON, INDIA November 2020 – April 2021

- Identified and rectified catalog duplicates using Pytest, enhancing the overall shopping experience for customers.
- Trained Machine Learning models in classification of products that belongs to cluster.
- Performed manual testing and reported several deviations before deploying, which helped to reduce the maintenance cost. Employed SoapUI as a testing tool to conduct comprehensive XML testing and validation, ensuring the reliability and accuracy of XML data in various software applications.
- Developed a robust CI/CD pipeline with Jenkins, Docker, and Kubernetes for the platform, automating build, test, and deployment processes. This reduced deployment time by 65% and enhanced release frequency.
- Integrated advanced order search, filtering, and reporting features with Elasticsearch, delivering robust data analytics and insights. This enhancement contributed to a 35% boost in the number of orders.

Software Engineer, JBIncorporated, INDIA

January 2018 – October 2020

- Spearheaded the development of the front-end application by implementing features with JavaScript, HTML, and CSS, and integrating React for efficient front-end and backend merging.
- Ensured robustness by writing comprehensive Mocha test cases, covering various scenarios to catch bugs early.
- Conducted thorough debugging and code reviews, identifying, and resolving issues, optimizing performance, and maintaining best practices.
- This meticulous approach ensured seamless functionality and high-quality code before deployment, enhancing the application's stability and reliability.

PROJECTS

- **Internet Banking Application:**
Java, Springboot, Hibernate, RestAPI, SQL, JS, Angular, Html, CSS
 - A Java based application that facilitates the users which has modules as account, admin, beneficiaries, customers, nominees, transactions, and users, ensuring secure, efficient operations and prioritizing user experience.
 - Employed Spring Boot's actuator module to monitor the e-commerce application's health, performance metrics, and the appropriate infrastructure, leading to a 15% reduction in maintenance overhead.
 - Architected resilient Spring Boot and Java-based back-end REST APIs, leveraging SQL and MySQL databases, to power a key and usable microservices-based architecture and ensure seamless system integration.
 - Containerized and deployed the application using Docker, enhancing scalability by 20% and reliability by 18% of the overall solution.
- **Lyric Based Song Genre Classification:**
Implemented ML and NLP with clustering techniques and other models.
 - Lyric-based genre identification aids music categorization, playlist creation, and recommendation systems, NLP techniques like tokenization, stemming, and stop word removal, with ML models such as Random Forest, LSTM, and CNN for lyric-based genre identification, demonstrating LSTM's effectiveness.
- **Ecommerce Website:**
Java, Springboot, Hibernate, RestAPI, SQL, JS, Angular, Html, CSS
 - Developed an e-commerce web application using Java, JavaScript, and React.js for interactive components, leveraging SpringBoot and MySQL for backend functionality.
 - This project highlighted my proficiency in OOP, database design, and software architecture. I also implemented a robust backend architecture with MySQL, RestAPIs, and Spring Boot, further demonstrating my expertise in object-oriented programming, database design, and software architecture.
 - The Java-based Spring Boot web app facilitates online food transactions. Customers browse items, search, view, & cart. They proceed to checkout, track, & manage accounts. Admins access a dashboard for management.
- **Wikipedia Clone:**
Javascript, Html, CSS, React
 - The Wikipedia Clone Project, developed with modern web technologies, offers users an interface. Users access & contribute to articles. Features include browsing, creation, tracking, accounts, and an admin panel for management.

EDUCATION

Masters, Computer Science (GPA – 3.8)

August 2022 - May 2024

University of Central Florida, Oviedo, FL

Course Work: Data Structure and Algorithms, Machine Learning, Computer Networks, Natural Language Processing

Bachelors, Computer Science (Grade A)

August 2015 – May 2019

Sri Indu Institute of Engineering and Technology, Hyderabad, India

CERTIFICATION

Certifications: AWS certification – AWS Certified Solutions Architect - Associate