



Details:

vaishnaviummaji@gmail.com

940-279-8161

Austin, TX 78759

[LinkedIn](#)

Skills:

- Languages: Java, J2EE, C, C++, Python
- Database: Oracle 10/11g, SQL server, MYSQL, MongoDB, PL/SQL
- Framework Struts: Spring MVC, Spring boot (Cloud, Integration, and Security), Hibernate, Data Binding
- Cloud: AWS (ECS, Lambda, EC2, S3, DynamoDB).
- Web/Application Servers: Tomcat, Web Sphere
- Web technologies: JavaScript, HTML5, AJAX, CSS3, Bootstrap, Angular, XML, DTD, ReactJS, NodeJS
- Agile Tools: Jira.
- Version Control: Git, GitHub
- IDE: Eclipse, VS Code, Net Beans, IntelliJ.
- Others: Linux/UNIX, Shell scripting

Certifications &

Achievements:

- Amazon Web Services (AWS) CLOUD PRACTITIONER Certified.
- Graduate Teaching Assistant for courses Analysis of Algorithm.
- Presented with "Summit Award" twice for exceptional contribution to the team in the year 2019 & 2020.

Education And Training:

Master's: Computer Science

University of North Texas (May '23)
Denton, TX

Bachelor's: Computer Science

MallaReddy College Of Engineering & Technology

Hyderabad, India

Vaishnavi Ummaji

Summary

Seeking a Full-Time Software Engineering role to leverage 3+ years of experience and strong programming acumen in a dynamic and challenging environment.

Experience

FedEx - Java Developer

06/2018 – 12/2021

- Worked with Mphasis as an implementing partner for FedEx.
- Designated Subject Matter Expert (SME) for the GENIUS application, a proprietary shipment tracking tool used by FedEx.
- Facilitated the design, development, and deployment of a microservices architecture using Core Java, J2EE technologies, Spring framework, Hibernate, SOAP, REST APIs and AWS microservices, resulting in a 30% reduction in system response time and a 40% increase in the number of shipments processed per hour.
- Implemented and maintained JUnit test suites for robust Java application testing.
- Refactored codebase to enhance performance, maintainability, and scalability.
- Leveraged AWS Lambda to develop serverless microservices, reducing infrastructure management overhead & improving cost-efficiency.
- Utilized Amazon ECS for container orchestration, deploying and managing Docker containers for scalable execution of microservices.
- Employed a CI/CD pipeline using Jenkins, Maven, and Git and reduced the time to deploy code changes by 50%.
- Designed and developed database schema using MySQL and NoSQL database MongoDB, resulting in a 25% increase in application performance. Additionally, incorporated Amazon DynamoDB, to enhance the microservices architecture.
- Used Git and GitHub for version control, ensuring efficient code collaboration.

Academic Projects:

Hospital Management System (MERN STACK)

- 4 to build a Hospital Management web application, where patients can create an account, book appointments, see doctors' availability and doctors can manage appointments and upload prescriptions for the patients.
- Created a REST API using NODE.js and MongoDB to deliver data to the frontend UI.
- Put React JS tools to good use in developing the frontend, including the Context API for handling the application's state, React Hooks for building functional components, and React Router for implementing routing.

Secure E-commerce Application (WordPress)

- Developed a secure ecommerce application, ensuring customer data protection and secure online transactions.
- Enforced SSL/TLS encryption and integrated secure payment gateways for enhanced security.
- Utilized security plugins to prevent unauthorized access and detect malicious activities, safeguarding the platform from potential threats.

Dynamic Weighted Graph Shortest Path Finder (Python, NetworkX, A* algorithm)

- Spearheaded the development and delivered an efficient solution enabling the identification of shortest paths in graphs with changing edge weights.
- Crafted an interactive user interface enabling users to input graph nodes, edges, and dynamic edge weights, facilitating real-time updates to the graph.