

Meghna J.

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Experience Summary: Software Engineer with 4+ years of software development experience, skilled in full-stack, API integration, performance optimization, Java, Python, REST, and SOAP APIs. Demonstrated strong capabilities in team leadership, technological innovation, adopting new technologies, and teamwork within fast-paced environments.

Education

Master of Science in Computer Science, 3.78 GPA Aug 2022 – May 2024
University of Texas at Arlington

- Cloud Computing and Big Data, Web Data Management, Machine Learning, Data Mining, Secure Programming
- Graduate Teaching Assistant for Software Testing coursework in a software development life cycle

Bachelor of Technology in Computer Engineering, First Class Aug 2014 – May 2018
Mukesh Patel School of Technology Management and Engineering, NMIMS University

- Distributed Computing, Object-Oriented Software Engineering, Design & Analysis of Algorithms, Unix Programming

Work Experience

Software Developer, Student Assistant, University of Texas at Arlington May 2023 – Aug 2023

- Led the transition and development of an IT portal to React and Node.js from the v1 PHP version, improving usability and security for end-users.
- Integrated SSO authentication, implemented role management, and refined the database, leading to improved access control and system efficiency.
- Collaborated with engineers to troubleshoot and resolve portal code issues for the v1 version, ensuring stability and robustness.

Software Engineer, Application Development, IBM India Pvt Ltd Jul 2018 – Jul 2022
Customer Integration Build Team

- Developed and maintained 25+ third-party integration applications using REST and SOAP APIs, including secure Apple Pay integration, to facilitate robust external banking communications and enhance system interoperability.
- Managed end-to-end feature development including backend debugging and root cause analysis, and led application deployment across environments via Jenkins pipeline, optimizing CI/CD processes.
- Led the migration of legacy applications to modern frameworks, implementing new coding standards and guidelines, significantly enhancing payment processing capabilities and boosting performance.
- Debugged and resolved critical production defects, improving customer record creation and record modification workflows, and application reliability through effective collaboration with the App Support team.
- Led a cloud migration team, training and mentoring new team members on modern tech stacks and coding standards, improving application scalability and team productivity.
- Built a Geolocation-based user authentication proof of concept using OpenStreetMap, Node.js, and IBM Cloud for Bank/ATMs. It made the team realize it's less costly to use a third party messaging service
- Implemented an Onboarding Application using Java, JavaScript, Spring, and MongoDB to track the progress of role-based activities and tasks for new hires in the Integration Build Team.

Technical Skills

Programming: Java, Python, Groovy Scripting, JavaScript, React JS, HTML, CSS; REST and SOAP API development
Framework/Tools: Spring Boot, Jenkins, SonarQube, SQL, IBM DB2, MySQL, IBM Message Queue, IBM Integration Bus (with ESQL and Java), IBM App Connect, IBM Cloud, Databricks, Git, Rational Team Concert (RTC)
Testing: Unit Testing, System Testing, Junit, RFHUtil, SoapUI, ReadyAPI

Projects

Beaver (LMS), github.com/meghna-cse/beaver React | Node.js | TypeScript | Laravel | MySQL

- Implemented UI and backend where key features were integrating role management and sentiment analysis for increased visitor engagement.

InputVal (ReST API), github.com/meghna-cse/inputVal Java | Spring Boot | Docker | API Development

- Created a secure ReST API for input validation, incorporating regular expressions, a phone book application with audit logs, and secure data handling for enhanced security.

SOUL (Simulation of Objects in Unity for Learning), github.com/meghna-cse/SOUL Unity3D | JS | HTML | CSS

- Developed an interactive web application simulating real-world scenarios to enhance learning in Physics.