Mojitha Kurup

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EDUCATION
MS Computer Science, University at Buffalo, The State University of New York, December 2022
Bachelor of Engineering: Information Technology, University of Mumbai, India

SKILLS & TOOLS
Programming Languages: Java, JavaScript, Python, REST Web Services
Frameworks: Spring Boot, Swing
Data Management & Analytics: PostgreSQL**,** SQL, NoSQL
Web Development: HTML, CSS, React.js, React-Native, Angular, Node JS
Cloud Technologies: Amazon Web Services (AWS)
Containerization Tools: Docker
Software & Version Control tools: IntelliJ Idea, Eclipse, Visual Studio, GitHub, BitBucket, Ranorex Studio

WORK EXPERIENCE
Software Engineer, Market Axess, US: February 2023 – November 2023
- Enhanced MKTX trading application features using Java, Swing, and React JS, resulting in a 20% increase in efficiency and productivity.
- Built a feature in React.js enabling customers to seamlessly download trade reports and summaries in Excel/PDF formats.
- Implemented custom FIX tags in Quick Fix to improve management and reporting of trading orders.
- Developed a full stack feature using React.js and Spring Boot to showcase real-time trade history and status insights.
- Boosted team efficiency by 5% through creating automated test scripts in C# with Ranorex Studio.
- Streamlined process of portfolio trading in Java and Swing, resulting in a 8% increase in business value for trading platform.

Software Engineer Intern, Market Axess, US: June 2022 – August 2022
- Automated trading workflows, reducing issue resolution time from 4 hours to 45 minutes.
- Created a file upload system in React.js and exposed a RESTful API in Node JS for real data uploads to AWS S3 buckets, facilitating replication of trading scenarios in test environments.

Software Engineer, Accenture Solution, India: September 2016 – September 2019
- Collaborated with 5 engineers to improve efficiency of Credit Risk Application by 30% through bug fixing and feature enhancements.
- Implemented a RESTful API in Spring boot, aiding early identification of admissible loan amounts.

COMPUTER SCIENCE PROJECTS
Anastocare Health Monitoring App: React-Native, Angular, Spring Boot, AWS, DynamoDB, GitHub
- Developed a health monitoring web and mobile application that evaluated post-surgical complications.
- Designed a UI form in React-Native, enabling patients to effortlessly enter post-surgery health information and symptoms via mobile apps.
- Implemented RESTful APIs using Spring Boot to collect and manage patient health information, leveraging AWS DynamoDB for efficient storage.
- Containerized application with Docker and deployed on AWS EC2 instances for efficient and scalable operations.

AWARDS & INVOLVEMENT
Senator, Society of Women Engineers, October 2022 – January 2023
Vice President, Graduate Indian Student Association, University of Buffalo, October 2021 – September 2022
Guiness World Record Holder, recognized for contributing to a record-breaking group performance in Indian folk-dance. Demonstrated teamwork, precision and dedication to achieve excellence - 2012.