Mythreye P

+1-727-554-6177 - mythtryee@gmail.com - LinkedIn - GitHub

EDUCATION

University of South Florida   Tampa, FL
Masters in Computer Science   *August 2022 – May 2024*

BVRIT HYDERABAD College of Engineering for Women   Hyderabad, India
Bachelor of Technology in Computer Science and Engineering   *August 2016 – May 2020*

SKILLS

Languages: Java, Python, JavaScript, C++, SQL, Shell Scripting, HTML, CSS, C#, PowerShell, TypeScript

Tools and Technologies: MVC, Bootstrap, Jenkins, Postman, SonarQube, Cloud Platforms(Azure, AWS), Tableau, Agile, API, Apache Kafka, Ansible, JMS, Git, GitHub, GitLab, Kubernetes, Docker, Containerization, Terraform, Machine Learning, ETL tools, Jira, LINUX/UNIX, Confluence, BitBucket, React

Databases: MYSQL, PostgreSQL, Microsoft SQL Server, MongoDB, Oracle RDBMS

WORK EXPERIENCE

Software Engineer
Custard Interface, TX, USA   *January 2024 – May 2024*

- Crafted backend functionalities in Java, complemented by frontend design using Angular, HTML, JavaScript, and CSS, enabling the creation of responsive web application.
- Implemented RESTful APIs to optimize data retrieval, storage, and communication processes.
- Analyzed and optimized stored procedures, triggers, and views in SQL, improving application functionality.
- Worked on Scrum and Kanban methodologies to streamline project task management, leading to a 20% increase in team productivity.

DevOps Engineer
Infosys, Hyderabad, India   *January 2021 – August 2022*

- Developed and managed Docker images on Docker Hub for middleware installations and domain configurations, resulting in a 30% increase in deployment efficiency.
- Configured Jenkins master with necessary plugins and slaves to support scalability and agility and configured Jenkins to implement nightly builds on daily basis and generated change log to include daily changes.
- Increased deployment efficiency by 30% with Jenkins CI/CD using Shell scripts and achieved 50% faster deployments with containerized Azure Red Hat OpenShift, enhancing system reliability.
- Orchestrated Jenkins CI and GIT integration, reducing build times by 40%, enhancing team productivity, and leveraging GitHub Web Hooks for automated code management.
- Worked on Agile methodology and used JIRA for issue tracking.

Software Engineer
Infosys, Hyderabad, India   *June 2020 – December 2020*

- Designed an innovative E-Commerce platform utilizing Java Spring Boot, Angular, and REST APIs, showcasing proficiency in full-stack development.
- Played a key role in transitioning the application to a microservices architecture, resulting in a notable performance boost of over 40% and enhanced scalability.
- Utilized JUnit and Selenium for automated testing to maintain high standards of software quality.
- Deployed applications on AWS cloud, optimizing for scalability and reliability, resulting in a 20% increase in application performance.

PROJECTS

Real-Time Data Streaming Platform for Traditional Database Workloads

- Engineered a high-performance streaming platform using Kafka and PostgreSQL to process real-time TPCH benchmark data, improving system efficiency.
- Conducted performance evaluations through 22 predefined queries, showcasing the platform's real-time processing capabilities and leveraging TPC-H benchmarking for database performance analysis.
- Enhanced throughput and query execution, boosting throughput by 25% and increasing overall efficiency by 30%.

Optical Character Recognition

- Built an OCR system in MATLAB to extract text from images, employing noise removal, and segmentation techniques including Gaussian blur and adaptive thresholding, boosting recognition accuracy by over 20%.
- Integrated Support Vector Machines (SVM) and Convolutional Neural Networks (CNN) to enhance model training for optimizing OCR system performance.