Kruthendar Reddy Katta

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EXPERIENCE

Cloud DevOps Engineer | Charles Schwab   **February 2023 - Present**

- Collaborated closely with developers to design, implement, and maintain **CI/CD** automation pipelines for .Net projects.
- Streamlined build and deployment automation by integrating **Bitbucket, Bamboo, PCF(Pivotal Cloud Foundry), and AWS infrastructure** reducing deployment time by 30%.
- Transitioned deployment strategies from **big bang** to **blue-green deployment** by effectively managing resources in AWS and improving rollback efficiency by 40%, and reducing downtime by 50%.
- Executed comprehensive post-deployment regression tests using **Swagger**, ensuring API stability and functionality, minimizing defects by 30%. Utilized **SonarQube** for code quality checks and **Veracode** to remediate security vulnerabilities.
- Implemented Infrastructure as Code (IaC) using **Terraform** on AWS to provision and manage cloud resources, reducing manual configurations and improving infrastructure scalability across development, staging, and production environments.
- Utilized **Splunk** to set up alerts for advanced log analysis and implemented **AWS CloudWatch** for application monitoring reducing system downtime by proactively identifying and resolving infrastructure issues.
- Migrated projects to **GitHub** and created **workflow actions** to automate builds and deployments, optimizing repository management and integrating **GitHub builds** with **Bamboo deployments** for artifact delivery to PCF.
- Designed and automated application deployments to **Windows servers** using **Bash**, reducing manual work load.
- Created and documented best practices for configuration, deployment, and troubleshooting, streamlining processes and reducing incident response time by 25%.

QA Engineer | Origin IT   **November 2020 - December 2021**

- Executed end-to-end testing for the client's website, leveraging **Jira** stories for seamless issue tracking and collaboration, and documented detailed **test cases**, improving defect resolution time by 25%.
- **Utilized AWS RDS databases**, performing backups, monitoring performance, and optimizing queries to enhance database efficiency and reliability, Leveraged **CloudWatch** for real-time performance monitoring.
- Performed API validation and documented the tests using **Postman**. Utilized **GraphQL** to test the API calls for the website.
- Automated workflows with **Jenkins & Shell script** post successful deployment, reducing manual testing time by 60%.
- Collaborated with the team to Implement and optimize **CI/CD pipelines** by integrating **AWS services** and **docker**, streamlining the build, testing, deployment processes by reducing the deployment time.

SKILLS

Programming Languages: HTML, CSS, Bootstrap CSS, Javascript, Amazon RDS, SQL, MongoDB, Bash, Java, C
Tools and Softwares: Bamboo, Bitbucket, PCF, Git, AWS, Veracode, SonarQube, Swagger, Saltstack, CloudWatch, AppDynamics, Terraform, Jira, testrail, Postman, GraphQL, Jenkins, Miro, MySQL, Splunk, Ansible, GCP, Docker, Kubernetes
Operating Systems: Windows, MacOS, Ubuntu

PROJECTS

Movies and Ratings   **February 2022 - May 2022**

- Developed a Movies and Ratings web application using MVC architecture with Java, JDBC, and MySQL, enabling users to search and view detailed film information, including ratings, actors, and descriptions, on a dynamic platform.
- Leveraged tools like Eclipse and Tomcat Server to design and deploy the application with a user-friendly interface powered by HTML, CSS, and Bootstrap, ensuring seamless interaction and efficient database integration.

AI-based News Search App | IBM   **April 2020 - August 2020**

- Developed and managed an AI-based News Search App leveraging IBM Watson and SlackBot, resolved API integration issues, and optimized performance based on user feedback.
- Enhanced user experience by 15% through data analysis and trend reporting using Microsoft Excel.

EDUCATION

Masters in Computer Science, *University of Central Missouri*   **Grade: 3.9/4 | January 2022 - May 23**
Bachelors in Information Technology, *JNTU Hyderabad*   **Grade: 3.0/4 | June 2017 - April 2021**