


RAJASEKHAR BETHA

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DevOps/Cloud Engineer at Infosys Limited

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 Hyderabad, Telangana

Summary

DevOps Engineer at Infosys with 2.2+ years of experience specializing in DevOps Automation, AWS Cloud, Azure Cloud, Linux Administration, and Application Infrastructure & Monitoring. Certified in AWS SysOps Administrator-Associate, AWS Cloud Practitioner, Azure DevOps Engineer Expert, Azure Administrator Associate, and Azure Fundamentals. Proven team player supporting cross-domain teams in product development and operations. A technical expert with hands-on experience in both AWS and Azure services.

Skills

- UNIX | Linux | RHEL | Ubuntu | CentOS | Solaris Sun OS | Bash Scripting | Python
- AWS | Amazon Linux | EC2 | AWS CLI | EBS/EFS | S3 | CloudWatch | Elastic Beanstalk | ELB | Route 53 | Amazon RDS | Elastic cache | CloudFront
- Azure Cloud Platform | Azure AD | Azure RBAC | Azure policies | Azure Storage Accounts | AzCopy | Azure VMs | ARM Template | AKS | ACI | Azure VNet | NSGs | Azure Monitor | Azure Backup and Recovery
- Azure DevOps | Visual Studio | Azure Repos | Axo cover | MS Unit | CI/CD Pipeline
- DevOps | Git | GitHub | Eclipse IDE | SonarQube Server | JUNIT | Jacoco | JFrog Artifactory | Nexus Repo | Apache Tomcat | Jenkins | Fortify
- Docker | Kubernetes | Ansible | Vagrant | IaC
- WebLogic Application Server Administration | WebSphere Application Server Administration | IBM HTTP Server | SQL | Oracle SQL Developer

Work Experience

Senior Systems Engineer Infosys Limited Hyderabad, Telangana 07/2023 - Present

- Led infrastructure development for Toyota Motor Sales, emphasizing data sharing between dealers and the Toyota management system.
- Initiated automation with Terraform in AWS, establishing EC2 instances hosting Docker for project needs. Docker containers included Jenkins, SonarQube, and JFrog forming the foundation for the automation pipeline.
- Configured a pipeline for 17 interfaces of TMS, integrating Jenkins, SonarQube and JFrog. Orchestrated deployment on AWS servers after successful builds, ensuring seamless data sharing.
- Managed administrative aspects of Jenkins, creating user roles and permissions for project members. Oversaw AWS administration, handling security groups, IAM roles, and infrastructure management based on user permissions.
- Created and managed infrastructure in AWS, including VPC, EC2, ECS, DynamoDB, and IAM Roles. Hosted essential tools like Docker and Jenkins, ensuring a robust and scalable environment.
- Proficient in writing Docker scripts, creating containers, images, and pushing them to Docker Hub. Played a key role in creating and managing the CI/CD pipeline for 17 interfaces.
- Actively participated in daily stand-up meetings, adhering to Agile methodology principles.

Systems Engineer Infosys Limited Hyderabad, Telangana 01/2022 – 06/2023

- Demonstrated expertise in Java Keystore Management and SSL Certificate installation, ensuring secure communication across various systems. Successfully installed SSL Certificates on IBM HTTP Server in production environments, ensuring secure communication and data integrity.
- Implemented timely configuration changes, including LDAP reconfiguration and Daylight Savings Activity adjustments, resulting in improved system performance and functionality.

- Consistently conducted thorough application health checks, contributing to continuous business operations and optimal application performance. Utilized SQL Developer effectively to troubleshoot potential database issues, identifying and resolving faults to maintain smooth system operation.
- Provided reliable infrastructure support for various changes, releases, and deployments in production, contributing to the successful implementation of new features and updates.

Systems Engineer Trainee Infosys Limited Mysuru, Karnataka 11/2021 – 01/2022

- During my training, I gained proficiency in HTML, CSS, JavaScript, and React technologies as part of Stream Training. Additionally, I received training in Java programming and DBMS through Generic Training.

Education

B.Tech – Mechanical Engg	9.16	Godavari Institute of Engg and Technology, Rajahmundry	06/2017 – 08/2021
Intermediate – MPC	98.5%	Vidya Vikas Junior College, Mandapeta	07/2015 – 04/2017
SSC	8.8	Govt High School, Mandapeta	06/2014 – 05/2015

Certifications

- AWS Certified SysOps Administrator – Associate
- AZ-400 - Microsoft Certified: DevOps Engineer Expert
- AZ-104 – Microsoft Certified: Microsoft Azure Administrator
- AWS Certified Cloud Practitioner
- AZ-900 - Microsoft Certified: Azure Fundamentals

Personal Projects

- Designed and implemented a robust microservices architecture using Docker containers for an e-commerce platform. The project involved containerizing various services, such as user authentication, product catalog, and order processing. Leveraged Docker Compose to orchestrate the deployment of interconnected containers. Integrated continuous integration and deployment pipelines to automate testing and deployment processes. The Dockerized microservices enhanced scalability, maintainability, and portability of the e-commerce application.
- Implemented a scalable web application using Kubernetes with Minikube for local development and testing. Orchestrated containerized services, including frontend, backend, and database components, to achieve seamless scalability and fault tolerance. Utilized Minikube to emulate a Kubernetes cluster locally, facilitating rapid development and testing iterations. Integrated Helm charts for efficient management of Kubernetes applications. This project demonstrated the power of Minikube in enabling developers to simulate a Kubernetes environment for building and testing scalable applications.

Achievements

- Received Gold Medal from GIET Autonomous Engineering College for Academic Excellence.
- NSP Scholar during 2017-21.
- Received Academic Excellence award from Vidya Vikas Junior College for outstanding performance in Intermediate board exams and AP EAMCET performance.
- NMMS Scholar during 2012-15.

Languages

- English – Fluent
- Telugu – Native and Fluent