Sai Goutham Miryala

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SUMMARY

- DevOps Engineer with hands-on experience in supporting, automating, and optimizing mission critical deployments in AWS, leveraging configuration management, CI/CD, and DevOps processes

ACADEMIC QUALIFICATIONS

- Master of Science in Information Technology in International Institute of Information Technology (IIIT), Hyderabad with an aggregate of 8.32 CGPA, 2016-2018
- Bachelor of Technology in Computer Science and Engineering from Sreenidhi Institute of Science and Technology (SNIST) Hyderabad, with an aggregate of 82.99%, 2011-15

IT SKILLS

- **Programming Languages:** Core Java and Python
- **Cloud computing:** Amazon Web Services (EC2, DynamoDB, RDS, IAM, Cloud Formation, S3, SQS, SNS, SES, Code Deploy, Lambda, VPC, Route53, Cost Explorer, Cloud Trail, Trusted Advisor)
- **Monitoring:** Cloud Watch, Splunk, Datadog
- **Scrum process tool:** Atlassian Jira, Confluence and Crucible for code review
- **Continuous Integration:** Jenkins
- **Operating Systems:** Windows, LINUX, Mac OS
- **Configuration Management:** Ansible
- **Version Control:** SVN, Git
- **Containerization:** Docker
- **Cost Monitoring:** AWS Cost Explorer and Cloud Ability

PROFESSIONAL EXPERIENCE

Zenoti India Private Ltd　　　　　　　　　　　　　　　　　　　　　　Hyderabad
DevOps Engineer　　　　　　　　　　　　　　　　　　　　　　　Dec'20 – Present

Job Responsibilities:

- Providing Tier 1 support for application and infrastructure issues in the Zenoti product
- Actively monitor and administer the applications and hosting environment to increase efficiency and improve reliability.
- Working with the team to analyze and design infrastructure with 99.99% up-time
- Work closely with product development teams to support production services in an on-call rotation, and be an escalation contact for service incidents

Thermo Fisher Scientific India Pvt Ltd　　　　　　　　　　　　　　　Bangalore
DevOps Engineer　　　　　　　　　　　　　　　　　　　　　　　Aug'18 – Dec'20

Job Responsibilities:

- Focused on 6 R's Reliable, Resilient, Responsive, Recoverable, Responsible, Releasable
- Owners of Security, Reliability and Availability of the applications
- Responsible for Infrastructure Operations, Cloud Operations, Automation and Quarterly patching of servers
- Migrated the applications from one VPC to another VPC which is in line with corporate security policies
- Perform regular infrastructure, cost, security audits and provide reports
- Automated CI/CD Pipeline for Apache deployment using Jenkins and groovy
- Set up the monitoring and alerting standards for microservice applications and AWS infrastructure using AWS CloudWatch, Splunk and Data Dog. And integrating them with Microsoft Teams
- Working on multiple AWS instances using AMIs, Elastic Load Balancers with Auto scaling groups to design cost effective, fault tolerant and highly available systems
- Automated customized AMI's for development teams using Chef and sharing them between different AWS accounts
- Managing securities of network and instance using VPC, Subnets, security groups, Network ACL and IAM
- Creating, Customizing, Managing and Deploying AWS resources using AWS console, CloudFormation Templates, CLI and Boto AWS SDK for Python
- Configuring, Automating and Deploying using ansible to existing infrastructure
- Setting up and introducing Continuous Deployment processes, advising the best practice for development teams to reduce the cost and securing the infrastructure
- Managing users and control services using IAM roles and policies
- Creating, Configuring and Managing the RDS database, Elastic Cache services
- Experience with AWS S3, Code Deploy, SNS, SQS, SES, Cost Explorer, DynamoDB, Lambda
- Expose microservice running in one AWS account to other AWS accounts/regions using AWS Endpoint service (AWS Private link), Peering and updating route table entries
- Responsible for Key rotation, DynamoDB and S3 backup and recovery, bastion host user creation
- Working knowledge of Atlassian tools (Jira and Confluence)
- Experienced in Waterfall, Agile/Scrum and Continuous Integration (CI) and Continuous Deployment (CD)

practices

- Good hands-on knowledge of Source Code Management (Version Control System) tools like Git and Subversion
- Provisioning and Securing Jenkins for development teams by integrating with Active Directory and Role-based authentication for AD groups
- Managed SSL certificates for Thermo fisher domains and installing them on ELB
- Working closely with Architecture, Development, Test, Security and IT Services teams
- Rotational 24x7 on-call support for production deployments
- Incident handling, troubleshooting and fixing application, OS, infrastructure-related problems in Dev, Test, Stage and Prod
- Acted as Scrum Master