Sahithi Vavileti

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SKILLS

- **Containerization and Orchestration**: Docker, Kubernetes, Openshift.
- **Cloud & DevOps**: AWS, GCP, Azure, CI/CD (Jenkins, GitHub Actions, GitLab CI/CD, Azure DevOps), Linux Server Administration, Shell Scripting
- **Infrastructure as Code(IaC)**: Terraform, Pulumi, AWS CDK, CloudFormation
- **Configuration Management:** Ansible
- **Monitoring and Alerting:** Prometheus, Grafana
- **Programming Languages:** Python.
- **Log Management:** Elastic, Logstash, Kibana (ELK)
- **Version Control**: Github, Bitbucket, GitLab
- **Databases:** MongoDB, DynamoDb, Redis, Elasticsearch, MySql, PostgreSQL

WORK EXPERIENCE

Sr DevOps & Site Reliability Engineer

Fauxiq Technologies Pvt Ltd   [April/2023 – Present]

- Implemented and maintained infrastructure automation solutions, **reducing manual intervention by 50% and improving system reliability.**
- Implemented security best practices, compliance policies, and access controls to protect infrastructure assets and data, ensuring compliance with industry regulations and standards.
- Worked with **Terraform, Ansible, Linux, Windows, ELK, Bash, Python,Grafana, Prometheus,helm**.
- Led the containerization initiative using **Docker and Kubernetes, achieving 70% improvement** in application scalability and resource utilization.
- Worked with **Amazon Web Services (AWS) like EC2, IAM, RDS, ELB, EBS, S3, Cloud Watch, Cloud Trail, Auto scaling, Cloud Formation.**
- Worked with **DevOps tools such as Jenkins, OpenShift, Rate Limiting, Maven, Kubernetes, Docker, git, Terraform, Ansible, Linux, Windows, ELK, Bash, Python**

DevOps Engineer

*British Petroleum, Bangalore - **Country: India** [Wipro Technologies]*   [02/2016 – 05/2019]

- Implemented new tools and automation process for the project.
- Experience with **Amazon Web services Creating, configuring and Managing EC2, Storage, IAM, S3, VPC, RDS, Load balancer etc. Services in AWS**.
- Understanding the client environment, Administrating and creating solutions **using Jenkins, GIT, Ansible, Maven and Docker.**
- Responsible for launching Amazon ec2 cloud instances using Amazon web services and configuring launched instances with specific applications.

- Installed applications on AWS EC2 instances and configured the storage on **S3 buckets**. Responsible for S3 bucket creation, policies and **IAM role based policies.**
- Responsible for creating alarms/notifications for EC2 hosts using Cloud Watch.
- Build servers using AWS templates, creation of security groups, importing volumes, AutoScaling, load balancers, in the defined virtual private connections.
- Experience in creating VPC using private and public subnets.
- Configuring Jenkins jobs with related plugins for Testing, Artifactory, and Continuous Deployment to accomplish the complete CI / CD.
- Setup/Managing Linux Servers on Amazon (**EC2, EBS, ELB, SSL, Security Groups, RDS and IAM**).
- Setup/Managing VPC, Subnets, make connection between different zones, blocking suspicious ip/subnet via ACL
- Hands on experience using **JENKINS as CICD tool.**
- Exposure in building automation tools such as **MAVEN**.
- Hands-on experience in **GIT, SVN and GitHub.**
- Setup/Managing Databases on **Amazon RDS. Monitoring servers** thorough Amazon Cloud watch, SNS
- Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu/RHEL) and Configuring launched instances with respect to specific applications.
- Performed S3 buckets creation, policies and also on the IAM role based polices and customizing the JSON template.
- Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud watch.
- Installed application on AWS EC2 instances and also configured the storage on S3 buckets. Created **Virtual Private Network, subnets, route tables and security groups** to control inbound and outbound traffic.
- Perform root cause analysis and corrective action on issues.
- Experience in SDLC methodologies such as Agile, Scrum, Kanban models
- Good presentation, customer support and trouble shooting skills.
- Identified and resolved performance bottlenecks, optimizing system performance and ensuring high availability of critical applications.

EDUCATION

Bachelor's degree in Computer Science from Anna University, Chennai - 2016