

Sahithi Vavileti

Location: Lelystad, Netherlands

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SKILLS

- **Containerization and Orchestration:** Docker, Kubernetes (EKS, AKS, GKE), OpenShift.
- **Cloud & DevOps:** AWS, GCP, Azure, CI/CD (Jenkins, GitHub Actions, GitLab CI/CD, Azure DevOps), Linux Server Administration, Shell Scripting, ArgoCD
- **Infrastructure as Code(IaC):** Terraform, Pulumi, AWS CDK, CloudFormation
- **Configuration Management:** Ansible
- **Monitoring and Alerting:** Prometheus, Grafana
- **Programming Languages:** Python, Golang
- **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 [Working remotely from Netherlands]

[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.
- Designed, deployed, and managed containerized applications using **Kubernetes** clusters.
- Configured and maintained Kubernetes objects: **Pods, Deployments, Services, ConfigMaps, Secrets, and Ingress controllers.**
- Implemented rolling updates, **blue-green, and canary deployment strategies** for zero-downtime releases.
- Managed cluster scalability using **Horizontal/Vertical Pod Autoscalers.**
- Applied security best practices: **RBAC, Network Policies, and Pod Security Policies.**
- Integrated **Kubernetes with CI/CD pipelines** for automated application deployment.
- Set up monitoring and logging for clusters using **Prometheus, Grafana, and logging stacks.**
- 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
- Setup/Managing Databases on **Amazon RDS. Monitoring servers** thorough Amazon Cloud watch, SNS
- Performed S3 buckets creation, policies and 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 configured the storage on S3 buckets. Created **Virtual Private Network, subnets, route tables and security groups** to control inbound and outbound traffic.
- 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