

Vijay Sankar Cheepur

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Professional Summary

Experienced DevOps Engineer with expertise in cloud computing (**AWS**), container orchestration (**Kubernetes**), and infrastructure as code (**Terraform**). Skilled in cost optimization, configuration management (**Ansible**), and automation. Proven success in deploying and managing scalable, resilient applications using Kubernetes clusters and writing Terraform scripts for cloud resource management. A collaborative team player committed to innovation, continuous learning, and delivering high-performance solutions.

Technical Summary

- Designed and implemented scalable architectures with EC2, EKS, ECS, VPC, and IAM.
- Managed EKS/RKE clusters, automated with Terraform, and deployed production workloads.
- Built pipelines using GitHub Actions, Jenkins, and Terraform, integrating security scans.
- Automated tasks with Python (boto3) and Bash, including EKS node patching.
- Developed Grafana dashboards with Prometheus integration.
- Automated Kubernetes service deployments and upgrades.

- Containerization
- Container Orchestration
- Cost-Optimization
- SAAS
- PAAS

Skills

- **Cloud:** AWS
- **Container Orchestration:** Kubernetes (EKS,RKE)
- **Infrastructure as Code:** Terraform, CloudFormation
- **Configuration Management:** Ansible
- **CI/CD:** Jenkins,GitHub Actions
- **Scripting:** Bash,Python (boto3)
- **Version Control:** Git, AWS CodeCommit
- **Monitoring:** Datadog, Grafana, Prometheus
- **Automation:** Helm, AWS Lambda

Engineering Practices

- Cloud Computing
- DevOps and Automation
- Infrastructure as Code
- Configuration Management

Work Experience

Wipro —Bengaluru, Karnataka [Dec 2021]-[Jan 2024]

DevOps Engineer

LLOYDS Banking Group

[Nov, 2022] - [Jan, 2024]

- Assisted in Designing & Buidling Kubernetes clusters (EKS, RKE) using Terraform and CI/CD pipelines from scratch.
- Established CI/CD pipelines with GitHub Actions, Jenkins, and Terraform for automated deployments.
- Assisted in leveraging Ansible playbooks for automated configuration management, streamlining the setup and maintenance of Kubernetes clusters and AWS services.
- Automated tasks with Python (boto3) and Bash, including EKS node OS patching.
- Designed and deployed AWS services (VPC, EC2, EBS, ASG, EKS, ECS, ALB, DynamoDB).
- Integrated security tools like SonarQube, Trivy for security compliance.

- Developed dashboards with Grafana and Datadog , Prometheus for monitoring.
- Automated third-party deployments using Helm for Kubernetes.
- Provided on-call support for Kubernetes production issues.

DevOps Engineer

MY WIPRO Application

[Dec, 2021] - [Nov, 2022]

- A clear understanding of the Software Development Life Cycle, Continuous Integration, Continuous Deployment, and Continuous Delivery.
- Assisted in setting up GitHub repositories and defining branching strategies.
- Supported the implementation of CI/CD pipelines for web applications using Jenkins and GitHub Actions.
- Contributed to the design and configuration of Kubernetes objects for application workloads.
- Assisted in automating the deployment and management of EKS clusters using Terraform.
- Assisted in automating integrated security scans with the SonarQube and Trivy, ensuring adherence to SaaS security standards and promptly identifying vulnerabilities.
- Automated clean-ups of self-hosted runners and jobs.
- Provided support in writing and maintaining Docker files, k8's manifest files, and workflow files for deployment.

Accomplishments

- Successfully created and maintained automated CI/CD pipelines using Jenkins and GitHub Actions, resulting in the elimination of 70% of manual work and a 30% increase in deployment efficiency.
- Developed AWS Lambda functions that automated routine tasks, leading to a 20% reduction in operational costs.

Certifications

- AWS Solutions Architect Associate (SAA-C02)
- AWS Developer Associate (DVA-C02)
- AWS Cloud Practitioner (CLP-C01)
- Azure Administrator Associate (AZ-104)

Courses

- Certified Kubernetes Application Developer - KodeKloud
- AWS DevOps Engineer Professional (DOP-C02) - Udemy

Education

B.Tech in Electronics and Communication Engineering (ECE)

Sri Venkateshwara College of Engineering(SVCE) —Tirupati

June 2017 - July 2021

Intermediate (MPC)

JCR Chaitanya Junior College —Tirupati

June 2015 - May 2017

SSC

Prashanth English Medium High School —Tirupati

June 2014-April 2015

Declaration

- I hereby, declare that the above mentioned information is true to my knowledge and experience.