

Chaitanya Vantaku

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Education

Veltech University Chennai

B.Tech. in Electronics and Communication Engineering

July 2019 - May 2023

CGPA: 9.03/10

Work Experience

Netscribes, Mumbai

Feb 2024 - Present

DevOps Engineer Associate

- Implemented and optimized a robust CI/CD pipeline using GitLab CICD, reducing deployment time by 50% and ensuring faster time-to-market for product updates.
- Improved the efficiency of our infrastructure by 80% transitioning from Docker containers to Kubernetes, enhancing productivity and feasibility while optimizing resource utilization.
- Led a cost-saving initiative by identifying unused AWS resources and establishing S3 bucket expiration policies, leading to an annual cost reduction in AWS expenditures.
- Led the successful migration from a monolithic architecture to a microservices architecture, resulting in a 40% reduction in system downtime and a 50% increase in scalability and flexibility of applications.
- Collaborate with cross-functional teams, including developers, QA engineers, and operations teams.
- AWS, EC2, S3, Ses, Gitlab CiCd, Wsl, SonarQube, MySQL, Kubernetes, Docker, Route53

BridgelabZ, Mumbai (Internship)

Oct 2023 - Jan 2024

DevOps Engineer Intern

- Gained experience with Docker for containerization and Kubernetes for container orchestration. Developed shell scripts to automate routine system maintenance tasks, saving an estimated 10 hours per week.
- Python, Linux, AWS resources, Lambda, jenkins, EC2, SQS, SNS, AWS CDN, AWS RDS, Elastic Search, Prometheus/Grafana, AWS Ecs and nexus3 , Argo CD

Project Work

- **Python Chatapp Django Application (2023):** Drive the design and maintenance of CI/CD pipelines employing Jenkins or similar tools to streamline building, testing, and deployment processes. Incorporate testing, code analysis, and deployment strategies seamlessly into the pipeline. Utilize dependency management tools to oversee dependencies for Python-based applications.
- **Netflix DevSecOps Project (2023):** Implemented Trivy and OWASP-ZAP tool for securing our docker image which running as a container. Developed the Jenkins CI/CD pipeline by adding automated testing and deployment stages, reducing deployment errors by 20% .Multi-Stage Dockerized legacy application, enabling easy deployment and scalability, resulting in secured application in deployment time.

Skills

Languages and Source Code Management: Python, JAVA and Git

CI/CD Tool: Jenkins, GitLab CI/CD, AWS Code Pipeline

Container Tools: Elastic Kubernetes Service, Docker, Kubernetes, Helmcharts

IAC and ConfigurationManage Tools: Terraform, CloudFormation and Ansible

GitOps and Artifact Tool: ArgoCD and Nexus3

Monitoring Tools: Prometheus/ Grafana, ELK, Nagios, AWS (Cloudwatch,SNS,SES)

Cloud Platform: AWS Cloud, Azure Cloud

Awards and Certificates

- **AWS Certified Cloud Practitioner (2023):** At the end of my college I got this and now have a good knowledge for Solution Architect Associate level in AWS.
- Oracle Certified Architect Associate (2022)
- NPTEL Certificate by IIT Kharagpur secured Elite + Silver (78 percent)