

# Kakumanu Veerendra

<https://veerendra2.github.io>

## EDUCATION

### SRM UNIVERSITY

M.TECH IN INFORMATION TECH.

Apr 2015 | India

### JNTU UNIVERSITY

B.TECH IN COMPUTER SCIENCE

May 2012 | India

St. Ann's College of Eng. & Tech.

## LINKS

Github.com/[veerendra2](#)

Gitlab.com/[veerendrav2](#)

Stackoverflow.com/users/2200798

LinkedIn.com/[veerendrav2](#)

## SKILLS

### PROGRAMMING/SCRIPTING

• Python • Shell

### CLOUD

• Azure • AWS

### TOOLS

• Docker • Kubernetes  
• Openshift • Elasticsearch  
• Ansible • Terraform • Github Actions  
• ArgoCD • Prometheus  
• Grafana • Gitlab

## CERTIFICATIONS

### COMPTIA SECURITY+

COMP001021877912 | Sep 2024

### CCNA

CSCO12621102 | Feb 2021 (Expired)

## EXPERIENCE

### NEWTRON GMBH | DEVOPS ENGINEER

Feb 2021 – Present | Dresden, Germany

- Azure Policies(OPA Gatekeeper) Configuration for AKS K8s via Terraform
- Grafana Loki deployment via Helm and ArgoCD on K8s(AKS)
- Automated K8s(AKS) upgrade with Gitlab CI scheduled pipelines
- ArgoCD deployment on K8s(Azure Kubernetes Services)
- Incidences response and on-call duty
- K8s backup and restore with Velero
- Kafka deployment with Strimzi with ArgoCD GitOps
  - Prometheus Monitoring
  - Security and Compliance
  - Disaster recovery with Velero

### BLOOPARK SYSTEMS GMBH & CO. KG | DEVOPS ENGINEER

Feb 2020 – Jan 2021 | Magdeburg, Germany

- Elasticsearch Cluster deployment (Logging, Monitoring & Alerting)
- Setting up CI/CD pipelines for Odoo applications deployment with Github Actions and Ansible
- Nginx and PostgreSQL installation and configuration for Odoo application(With Ansible automation)
- Monitoring with Prometheus, Grafana and node\_exporter

### REBACA TECHNOLOGIES PVT. LTD. | DEVOPS ENGINEER

Jul 2018 – Jan 2020 | Bangalore, India

Work at remote location; Cisco Systems Pvt. Ltd. Bangalore

- Complete Openstack 13 deployment (Overcloud + Undercloud) automation with Ansible.
- Openstack 13 Update (Overcloud + Undercloud) automation with Ansible.
- OSPD backup and restore.

### OPSMX (N2 SYSTEMS PVT. LTD.) | SYSTEM ADMINISTRATOR

Sep 2015 – Jul 2018 | Hyderabad, India

- Single node and multi node cluster deployment with kubeadm and kops /openshift-atomic-installer and troubleshooting
- Automated docker building with dockerhub and quay.io
- Application deployment & Service account creations with RBAC.
- Prometheus: K8s monitoring and aws instances monitoring with auto-discovery and cAdvisor, relabel metrics, node\_exporter
- Spinnaker deployment on Linux server and K8s with cloud provider as AWS & K8s
- Created automated script to modify spinnaker's Docker images compatible to run on Openshift
- AWS - VPC, EC2, ELB, security group, server group and S3 bucket creation
- Python script to get network traffic stats on open TCP ports with BPF
- Python & shell scripts to fetch Linux server metrics CPU, Mem and Net

### ALCATEL LUCENT PVT. LTD. | INTERNSHIP

Jan 2015 – Jul 2015 | Chennai, India

- Configuring the xDSL line in Alcatel-Lucent DSLAMs and lab work for the Motive Network Analyzer Product
- Manual testing for the product Motive Network Analyzer