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<https://vemulaanvesh.github.io/CV/>

Summary

8+ years' Experience in DevOps with major focus on Cloud Infrastructure, CI CD Designing and Production issues with ability to automate build and release engineering activities with various tools and technologies.

Tools

Azure • GCloud • Terraform • Ansible • ELK • Helm • K8s(kubernetes) • GitHub • GitHub Actions • Harness • Jenkins • Jira • Anchore • Grafana • Dynatrace • Prometheus • Sumo Logic • solar winds • ARM Templates • SonarQube • Azure Devops • WhiteSource • Covirty • Shell • Groovy • Docker • Cursor • Vault • AI Tools •

Technical Expertise:

- Experience in **Cloud Infrastructure** development using **terraform**.
- Worked on configuring **Global MPC servers** for **AI Internal productivity**
- Good experience in working with **AI Tools** like cursor, Chat GPT etc
- Experience as a **Team scrum** master
- Good Working Experience on **Serverless Infrastructure**
- Worked on **Network Connectivity Center(NCC)**
- Collaborated with **customers** and provided **solutions** in their **business** needs.
- Firsthand experience on **GitHub Actions**.
- Use **Atlantis** for **automated Terraform pull request workflows**, ensuring consistent and secure infrastructure changes.
- Implement **multi-tenant Kubernetes clusters** and deploy applications with **Helm**, managed through **Terraform**.
- **Collaborate with development teams** to define **infrastructure requirements** and **support** the **software development lifecycle**.
- Use **Jenkins configuration as a code (JCasc)** to maintain **Jenkins configuration as source of truth**
- **Document infrastructure designs** and **processes** to facilitate **knowledge sharing** and **operational efficiency**.
- **Manage secrets and sensitive data** with **HashiCorp Vault**, configured via **Terraform**, ensuring **compliance with security standards** through **consistent and auditable setups**.
- Development and **Administration experience** in writing **Ansible Playbooks**, Basic knowledge on **Chef**.
- Worked on **Hardening virtual machine** and **docker** images
- Expert in resolving the **Docker image Vulnerability** and **security implementations**
- Working experience on **Shell** and **PowerShell** scripting.

- Deployed and managed **Google Anthos** for hybrid and multi-cloud environments integrating **on-prem** and **GCP** clusters.
- Implemented **Anthos Config Management (ACM)** to enforce GitOps-based configuration synchronization and policy governance across clusters.
- Configured **Anthos Service Mesh (ASM)** to secure microservice communication using **mTLS**, traffic routing, and observability tools.
- Automated **GKE cluster provisioning and upgrades** using **Terraform**, integrated with **Jenkins pipelines** for CI/CD.
- Integrated **Policy Controller** to enforce organizational compliance and Kubernetes best practices across hybrid deployments.
- Implemented **monitoring and logging** through Cloud Operations Suite, Prometheus, and Kibana for Anthos-managed clusters.
- Worked on **Migrate for Anthos** to containerize legacy applications and move them from VMs to GKE workloads.
- Enabled **secure, multi-environment deployment pipelines** with Jenkins, GitHub Actions, and ACM integration.
- Assisted in **Apigee Hybrid** runtime setup on GKE for hybrid API management within the Anthos ecosystem.
- Good Experience in **Azure Resources** and Services: **VMs, Function Apps, Web Apps, Azure Container Registry (ACR), Storage Accounts, Event HUB, Azure Kubernetes service (AKS), Azure Recovery service** etc.
- Written **automation scripts** for **Jenkins** jobs using **DSL Scripts**.
- Working experience on **Terraform** (v0.11, v0.12, v0.15), **CloudFormation, ARM Templates**
- Hands-on experience on both Version Control Tools and monitoring tools **GIT, Azure Git, Jenkins, Maven, Nagios, ELK, Sumo logic, Zabbix, Solar winds**.
- Hands-on experience on **Azure, AWS, GCP**.
- Good Working experience in **Docker, Kubernetes**.
- Good knowledge in **CI (Continuous Integration)** and **CD (Continuous Deployment)** methodologies
- Created Docker images for production and had experience in deploying using **Kubernetes**.
- Working experience on monitoring tools and configuration custom **alerts, mail notifications**
- Experience in **configuration management** tool - **Ansible** and written Ansible YAML scripts to configure remote servers
- Good knowledge in **Application Gateway, Global Load Balancer , Api Gateway, Traffic Manager** and **ingress-controller**.
- Created and updated **Ansible playbooks** using **Roles**
- Experience in **AWS Cloud Administration** which includes services like: **EC2, S3, EBS, VPC, ELB, AMI, RDS, Route 53, Cloud Watch, etc**.
- Worked **Nexus tool** and **Azure Artifactory** to manage the repository in **Maven** and used the same to share the snapshots and releases of internal projects.

- Worked on **Jenkins** installing, **configuring** and **maintaining** for the purpose of **Continuous Integration (CI)** and for **End-to-End automation** for all builds and deployments.
- Good experience in assigning and **managing roles, permissions** for all the teams in **Jenkins** and **azure, Git**.
- Developed **branching strategy** for a couple of projects.
- Experience in working on **micro services**.
- Configured **Azure Git** check-in allowed in specific format only using **Git per commit hooks**
- Worked on project and **audit Documentations**
- Experience in working as **Production support team**
- Worked on **patching** the **VM's** using **PAAS solutions** and using **ansible playbooks (Linux and Windows)**.

Experience



Senior Platform Engineer (2022 - Present)

at [LiveRamp India Pvt Ltd](#)

LiveRamp enables companies and their partners to better connect, control, and activate data to transform customer experiences and generate more valuable business outcomes. Our fully interoperable infrastructure delivers end-to-end addressability for the world's top brands, agencies, and publishers and our neutral and open approach ensures that our clients can select from among best-in-class partners and technology to meet their specific needs.

Tools:

Atlantis, Terraform, Docker, Kubernetes, Helm, Jenkins, Shell Scripting, GitHub, Vault, Grafana, snyk, console.

Roles and Responsibilities:

- **Architect, design, and implement robust, scalable**, and secure cloud infrastructure on **GCloud** using **Terraform**.
- Deployed and managed **Google Anthos** for hybrid and multi-cloud environments integrating **on-prem** and **GCP** clusters.
- Implemented **monitoring and logging** through Cloud Operations Suite, Prometheus, and Kibana for Anthos-managed clusters.
- Worked on **Migrate for Anthos** to containerize legacy applications and move them from VMs to GKE workloads.
- Create and manage **multi-tenant Kubernetes (K8s) clusters using Terraform**, ensuring isolation, security, and resource efficiency for different tenants.
- Streamline the **deployment of applications on Kubernetes with Helm**, ensuring all configurations and deployments are consistently managed through Terraform.
- Develop, configure, and maintain sophisticated Jenkins pipelines using **Jenkins Configuration as Code (JCASC)** for seamless continuous integration and continuous delivery (CI/CD).

- **Integrate Jenkins with GitHub** to create automated workflows for building, testing, and deploying applications, ensuring high code quality and quick feedback loops using **shared libraries**.
- Implement comprehensive security measures and manage secrets and **sensitive data using HashiCorp Vault**, all managed through Terraform..
- Conduct regular security audits and **vulnerability assessments** to proactively identify and mitigate risks.
- Utilize advanced monitoring tools and strategies to ensure **high availability**, performance, and reliability of the platform, with all configurations managed through Terraform.
- Implement performance tuning and **cost optimization strategies** for cloud resources, ensuring efficient use of infrastructure.
- Troubleshoot and resolve complex infrastructure and application issues, ensuring **minimal downtime** and **maximum performance**.
- Work closely with development, operations, and security teams to define infrastructure requirements and provide expert support throughout the software development lifecycle.
- Foster a culture of continuous improvement, **automation**, and operational excellence through **documentation, knowledge sharing, and process refinement**.
- Lead and **mentor junior engineers, promoting skill development and best practices** in infrastructure management.
- **Implement and manage automated Terraform** pull request workflows using Atlantis, ensuring consistent and secure infrastructure changes.
- Conduct thorough code **reviews and manage Terraform code changes** through **GitHub**, integrated with **Atlantis for automated plan and apply operations**.
- Design and implement multi-tenant architecture to **support multiple projects** or business units, ensuring **isolation, security, and resource efficiency**.
- Use **Kubernetes namespaces, network policies, and resource quotas** to manage **multi-tenant** environments effectively.



Senior DevOps Engineer (2021 - Present)

at NCR Corporation | Project “AMS (Advanced Marketing Solutions)”

NCR is the world’s leading enterprise technology provider of software, hardware and services for banks, retailers, restaurants, small business and telecom & technology. We enable digital transformation that connects our clients’ operations from the back office to the front end and everything in between so they can delight customers anytime, anywhere and compete.

Tools:

Linkerd, Terraform, Docker, Kubernetes, Jenkins, Shell, Github, Github Actions, Azure, ELK

Roles and Responsibilities:

- Understand **customer requirements** and **provide** the solution for their **business**.
- Worked on **GitHub Actions** and **GitHub Pages**.
- Responsible for **guiding team** and implementing **reliable solutions**
- Worked on **Google Data Studio** and created **dashboards** that shows the **analytics** of **monthly cost** and running **versions**
- Implemented **DR (Disaster Recovery)** solution for the running **production environment**
- Worked on **Migrating DB in vm to PAAS solution (Cloud SQL) in GCloud** and **(SQL Managed Instance)** in **Azure**
- Configured **Dynatrace** from **scratch (Alerts, SLO, SLI, monitoring, Dashboards, Reports, Availability)**
- Worked on building **Multi Tenant applications** from **scratch**
- Worked on **HA Proxy** and **Windows Cluster Management (AOAG)**
- Good Experience on **.Net, C++** and **java applications** build process and **Dockerization**
- Worked on Azure DevOps tools (**Azure Pipelines, release, antifactory, libraries and deployment Groups.**)
- Exposure on **edge computing** and **fog computing**
- Working on **Production Support** and Daily DevOps Activity and Improvements.
- Written **Terraform** scripts (v.0.15) to provision Infrastructure
- Worked on **code quality** tools like **WhiteSource, Coverity** and **QualityGates**
- Implemented **CD** using **GitHub Actions** as a development migrating form Jenkins
- Worked on **Instance Group, Instance Template, Load balancer, Compute Instance, GKE, Cloud logging** using **ops agents** in **GCloud**
- Worked on **Jenkins** for **CI Build automation** Working experience on **Harness CD Tool**
- Configured alerts and on **PagerDuty**, and **Azure Monitoring**.



DevOps Engineer (2019 - 2021)

at OSI Digital | Project “BBSI”, “Prasad Seeds”

Barrett Business Services, Inc. is a provider of business management solutions, combining human resource outsourcing and professional management consulting. The Company's principal services, Professional Employer Organization (PEO) and staffing.

Tools:

Ansible, Terraform, Docker, Kubernetes, Jenkins, Shell and Python Scripting, GIT, Azure, Grafana, Prometheus, Elk, Nagios, Sumo Logic, solar winds.

Roles and Responsibilities:

- Written the **Ansible Playbooks** to configure the **remote servers** and configured applications

- Work on building Complete infra is Implemented using **Infrastructure Management** tool - **Terraform**.
- Worked on update management service to update **IAAS Virtual Machines** Configured tomcat service in azure AppService.
- Worked on **PAAS backup** configuration (**cosmos DB, Redis, Managed SQL**) Implemented daily and half-yearly VM backups using **azure recovery service**
- Hands-on knowledge of software **containerization** platforms like **Docker** and container **orchestration** tools like **Kubernetes**
- **Automated deployment** of builds to different environments using Jenkins.
- Implemented & maintained the branching and **build/release strategies** utilizing GIT
- Knowledge on GIT and **Jenkins Continuous Integration** Server – Installation, Configuration, **Design** and **Administration**, and **integrating** these tools with other systems.
- Worked on **PAAS backups** setup and configuration
- Good experience in fixing the issues by **debugging** and **troubleshooting**
- Experience in Docker **Image vulnerability** Scan and Fixing using **Anchore** Tool
- Hands on knowledge in hardening **Linux** and **Windows** images using **Lynis** and **MBSA Tools** Experienced in cloud technologies like AWS and MS Azure.
- Experience in **Microsoft Azure IaaS** and **PaaS services**
- Setup ELK stack for monitoring IaaS and PaaS (**AKS**) **infrastructure** and setup alerts using **ElastAlert**



Associate Cloud Engineer (2017 - 2019)

at Paymatrix | Project “Paymatrix”

Start-up and first of its kind, website-based payment solution platform which simplify the access to credit to individuals and small businesses, invoicing, rental agreements, payments and customer communications.

Tools:

Jenkins, Maven, Azure, Shell, GIT, PowerShell, Jenkins, Ansible, ARM, SonarQube.

Roles and Responsibilities:

- Experience in AWS Cloud platform and its features which includes **EC2, ELB, EBS, CloudWatch, Load balancers, IAM and S3, CloudFront, RDS and Route53** Good knowledge in **IAAS** and **PAAS**
- Worked on configuration of **Domains** and **single-sign-on (SSO)**
- Created **AWS infrastructure** using **CloudFormation** templates **Troubleshoot** various **network problems**, system problems.
- Worked on **VM troubleshooting** and fixing issues
- Experience in generation and configure the **SSL certificate** Configured

- **Nagios** as a monitoring tool
- Worked on transfer data over **FTPS** and **SSL** (encrypted end to end)
- Configured **tomcat server** to deploy applications.
- Created a EC2 GitLab server.
- Created and configured Jenkins's server and configured build and deployment jobs.
- Created a **RDS server** with **SQL DB instance**.
- Established **NAT Gateway** connection between **Public** and **Private subnets**.
- Created the **S3 buckets** to upload project related images.
- Configure and maintain **Private GitHub on server**

Certification

Azure



Microsoft azure fundamentals (AZ-900)

Education (2016)



Bachelor of Technology, Electrical and Electronics Engineering (B.Tech, EEE)