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About me: Senior Platform Engineer with extensive experience designing and operating enterprise Kubernetes platforms across GCP, GKE, and on-premises Red Hat OpenShift. Specialized in multi-cluster platform engineering, Infrastructure as Code, GitOps, CI/CD, platform security, observability, and developer self-service.

Proven track record of building scalable, reusable infrastructure and platform capabilities using Terraform, Python, and GitOps, supporting 60+ Kubernetes clusters and 200+ GCP projects in production. Strong expertise in OpenShift, Argo CD, GitLab CI/CD, HashiCorp Vault, Istio, Rancher, Anthos, Fleet, and Cluster API, with a focus on platform reliability, automation, security, operational excellence, and developer experience.

PROFILE

Core Competencies:

- **Cloud & Platform Engineering:** GCP, Azure, AWS, Red Hat OpenShift, GKE, AKS, EKS, multi-cluster platforms, cluster lifecycle management
- **Kubernetes & Cloud Native:** Kubernetes, OpenShift, workload orchestration, multi-tenancy, platform governance, application lifecycle management
- **Internal Developer Platforms & DevEx:** Developer self-service, golden paths, platform templates, environment provisioning, developer experience
- **CI/CD & GitOps:** GitLab CI/CD, Tekton, Jenkins, Azure Pipelines, Argo CD, OpenShift GitOps, pipeline-as-code, GitOps workflows
- **Infrastructure as Code & Automation:** Terraform, reusable IaC modules, Ansible, SaltStack, Python, Bash, REST API automation
- **Security & Secrets Management:** HashiCorp Vault, External Secrets Operator, RBAC, Kubernetes security, workload security, platform governance
- **Observability & Operations:** Prometheus, Grafana, Alertmanager, Loki, Fluentd, Elasticsearch, Logstash, Kibana, monitoring, logging, alerting
- **Cloud Foundation & Migration:** GCP/Azure landing zones, standardized project and subscription provisioning, Azure Migrate, GCP Migrate to Virtual Machines
- **Networking & Platform Infrastructure:** DNS, DHCP, TCP/IP, load balancing, Kubernetes networking, Ingress, Services, NetworkPolicies
- **Build & Artifact Management:** Maven, Gradle, Ant, Nexus, JFrog Artifactory, ACR, GCR
- **Source Control & Engineering Practices:** GitLab, GitHub, Bitbucket, trunk-based development, code reviews, collaborative development
- **Operating Systems & Virtualization:** Linux, Windows Server, VMware, virtualized and containerized workloads

Accreditations:

- CNCF Certified Kubestronaut
- Google Cloud Certified - Professional Cloud Architect
- Google Cloud Certified - Professional Cloud Security Engineer
- Prometheus Certified Associate (PCA)
- Microsoft Certified DevOps Engineer Expert [AZ-400]
- Azure Administrator Associate [AZ-104]
- Microsoft Certified: Azure Fundamentals [AZ-900]
- GitLab Certified Git Associate

Academic Qualification:

- B.E in Electronics and Communication Engineering, from **PES University**, Bangalore
- DevOps Engineer **Master Program**, from Simplilearn.

Henkel, BANGLORE, INDIA

**Senior Platform Engineer [June 2023 to Present]****Accountabilities:**

- **Design, engineer, operate**, and continuously improve **enterprise-grade Red Hat OpenShift platforms** hosted **on-premises**, supporting multiple **production and non-production clusters** and business-critical workloads.
- Own the **day-2 operations** and lifecycle management of **multiple OpenShift clusters**, including cluster health, capacity planning, performance optimization, **upgrades, patching**, configuration management, incident response, and **platform reliability**.
- **Architect** and operate a unified application platform supporting both **containerized microservices and virtual machine workloads**, enabling teams to modernize traditional workloads while adopting **cloud-native application architectures**.
- **Establish and enforce platform engineering standards**, operational guardrails, and golden paths covering **application onboarding, namespace provisioning, resource management, deployment, observability, security, backup, and disaster recovery**.
- Engineer **enterprise CI/CD capabilities** using **GitLab and Tekton/OpenShift Pipelines**, implementing reusable pipeline patterns for automated **build, test, security validation, image management, and application delivery**. OpenShift Pipelines is built on **Tekton** and is designed around **Kubernetes-native CI/CD workflows**.
- Implement and maintain **GitOps-based continuous delivery** using **OpenShift GitOps/Argo CD**, enabling declarative, version-controlled, auditable deployments and **reducing configuration drift across multiple OpenShift environments**.
- Develop **reusable GitOps patterns** using **Helm/Kustomize** and environment-specific configurations, promoting consistency and repeatability across clusters while **minimizing manual deployment activities**.
- Design and operate **enterprise secrets management** and workload identity patterns using **HashiCorp Vault** and **External Secrets Operator (ESO)**, eliminating hard-coded credentials and enabling **secure runtime secret delivery** to applications.
- Implement comprehensive **platform observability** and operational monitoring using **Prometheus, Grafana, and Loki**, **developing dashboards, alerts, metrics, and centralized logging** to improve platform visibility, troubleshooting, and proactive incident detection.
- Establish SRE-oriented operational practices, including **service health monitoring, alerting, capacity management, incident response, problem management, post-incident reviews**, and continuous improvement of platform reliability.
- Implement **enterprise backup, restore**, and disaster-recovery capabilities using **Veeam Kasten**, protecting Kubernetes applications, persistent data, and virtualized workloads while **validating recovery procedures and operational readiness**.
- **Partner with security teams** to integrate the OpenShift platform with **Wiz CNAPP/posture-management** capabilities, continuously identifying **configuration risks, security posture gaps, vulnerabilities**, and compliance issues across the platform.
- Implement and maintain **OpenShift security controls**, including **RBAC, SCCs, namespace isolation, resource governance, least-privilege access, workload security, and platform-level guardrails**.
- Engineer **multi-tenant OpenShift environments** with appropriate **resource quotas, limits, access controls, network policies, and governance mechanisms** to safely host workloads belonging to multiple application and development teams.
- Build and enhance an **Internal Developer Platform (IDP) using Port**, enabling developers and application owners to **self-service OpenShift resources through standardized workflows** rather than relying on manual platform-team intervention.
- Design developer **self-service workflows and golden paths** for common platform operations such as **namespace/resource requests, application onboarding, environment provisioning, and operational tasks**, improving developer experience while maintaining enterprise governance and security guardrails.
- **Automate repetitive platform operations** using Kubernetes/OpenShift APIs, CLI tooling, scripting, and infrastructure-as-code principles, reducing manual effort, **configuration inconsistencies, and operational toil**.
- Define and maintain **platform standards** and reusable engineering patterns for application teams, including **deployment strategies, resource sizing, health probes, autoscaling, observability, secrets management, backup policies, and secure workload configuration**.
- **Collaborate** closely with application **development, DevOps, security, infrastructure, networking, storage**, and architecture teams to design reliable solutions and accelerate adoption of **OpenShift** as an enterprise application platform.
- **Lead** complex **production incident troubleshooting** and technical problem management, working across **compute, networking, storage, Kubernetes/OpenShift control plane, operators, CI/CD, application, and observability layers** to restore services and prevent recurrence.
- Perform **capacity and performance analysis** across OpenShift clusters, identifying CPU, memory, storage, networking, and workload-level bottlenecks and driving **optimization initiatives before they affect application availability**.
- Drive **platform lifecycle and technology adoption**, evaluating **new OpenShift capabilities, operators, ecosystem technologies, and platform engineering practices** and translating them into secure, supportable **enterprise solutions**.

- Establish operational documentation, **runbooks**, **troubleshooting procedures**, **architecture standards**, and knowledge-sharing practices to improve team efficiency, operational maturity, and knowledge continuity.
- **Mentor engineers** and application teams on **Kubernetes/OpenShift**, **GitOps**, **CI/CD**, **observability**, **security**, **workload management**, and cloud-native engineering practices, acting as a technical escalation point for complex platform challenges.
- Continuously **identify opportunities** to automate, standardize, and simplify platform operations, reducing operational toil and **improving developer productivity**, **platform reliability**, **security posture**, and **time-to-delivery**.

OpsRamp - A HEWLETT PACKARD COMPANY, INDIA

Senior Site Reliability Engineer [Sep 2022 to June 2023].



Accountabilities:

- Ensured **24/7 high availability** of the OpsRamp **SaaS monitoring platform** adhering to **99.9% SLA**.
- Managed a **hybrid microservices and monolithic application** architecture (70% microservices, 30% monoliths)
- Containerized applications using **Docker** and packaged Kubernetes manifests via **Helm charts**.
- **Orchestrated deployments** across INT, QA, Dev, UAT and **Prod environments** using Kubernetes.
- Utilized **GitLab** as source code repository and **Jenkins** for **CI/CD pipelines**.
- Enforced **security by scanning** Docker images for **vulnerabilities** using **Synk & trivy**.
- Implemented on-prem **distributed block storage** for Kubernetes using **Longhorn**.
- Provisioned managed Kubernetes clusters on **GKE (Google Kubernetes Engine)** for GCP workloads.
- Established secure software supply chain by **signing Docker images** with **Cosign** and gating deployments via **OPA policy agent**.
- Automated **configuration management** across hybrid infrastructure using **Salt Stack**
- Designed and maintained **monitoring stack** using **Prometheus** for metrics and **Grafana** for visualization.
- Managed data infrastructure spanning **MySQL databases**, **Apache Kafka** for streaming, **Cassandra**, and **Zookeeper**.
- **Collaborated with development** teams to align **SRE processes** with application deployment needs.
- Conducted **performance tuning**, **load testing**, and optimizations to **enhance reliability and efficiency**.
- Built cloud infrastructure using **Terraform**, providing scalable and **highly available solutions**.
- Responded to **incidents**, performed **root cause analysis**, and **implemented** preventative measures.
- Drove automation efforts to streamline operations and enable **self-healing capabilities**.
- **Migrated** on-prem resources to the **cloud and vice versa**, ensuring seamless transitions.
- **Troubleshoot** and resolved issues related to the **infrastructure**, ensuring high availability and performance.
- Handling **On-Call support**, documents solutions and common processes.
- Collaborated with developers and stakeholders to ensure that infrastructure and applications meet **security**, **reliability**, and **performance requirements**.

HEWLETT PACKARD ENTERPRISE, BANGLORE, INDIA

Technical Lead [June 2017 to September 2022]



Accountabilities:

- Provide **technical guidance** and **mentorship** to the **Cloud and DevOps team**, ensuring adherence to best practices and industry standards.
- Drive the **adoption** of modern **cloud-native architectures**, **DevOps methodologies**, and automation strategies.
- **Evaluate** and recommend new tools, technologies, and processes to improve **operational efficiency and delivery quality**.
- **Collaborate** with cross-functional teams, **including development, operations, and security**, to align infrastructure and application requirements.
- Lead the implementation of **Infrastructure as Code (IaC)** using **Terraform** across multiple cloud providers (**Azure, AWS**)
- Develop and maintain **Terraform modules**, promoting reusability and consistent infrastructure provisioning.
- Leverage **Ansible for configuration management** and orchestration of diverse infrastructure (**Redhat OS, VMware**)
- Automate deployment pipelines using **Jenkins**, integrating with **IaC tools**, **source control**, and **artifact repositories**.
- Implement **automated testing** and validation frameworks to ensure infrastructure and application reliability.
- Architect and design **highly available, scalable, and secure cloud infrastructure** solutions on **Azure and AWS**.
- Implement best practices for **cloud security, governance, and compliance** across multi-cloud environments.
- **Optimize cloud resource** utilization and cost through **rightsizing, auto-scaling, and resource scheduling**.
- Establish **disaster recovery and business continuity strategies** for mission-critical workloads.
- Design and implement **monitoring and observability solutions** using **Prometheus and Grafana**
- Integrate monitoring data with **alerting** and **incident management** processes.
- Analyze **metrics, logs, and traces** to identify and **troubleshoot performance bottlenecks** and system **anomalies**.
- Promote the adoption and contribution to **open-source tools** and technologies within the organization.

- Evaluate and integrate **open-source solutions** into the technology stack, **fostering innovation** and **cost-effectiveness**.
- Participate in **open-source communities**, staying up to date with the latest **developments and best practices**.
- **Foster a culture** of collaboration, **knowledge sharing, and continuous learning** within the team.
- Facilitate cross-functional discussions and alignment between development, operations, and security teams.
- **Communicate technical strategies, roadmaps, and decisions** effectively to stakeholders and leadership.
- **Represent the team in external forums, conferences, and community events**, promoting thought **leadership**.

HEWLETT PACKARD ENTERPRISE - Payroll: NET CONNECT PVT.LTD., BANGLORE, INDIA

Server Support Engineer (May 2016 to June 2017)



Accountabilities:

- **Install and configure** various operating systems (Linux distributions, Windows Server) on ESXi virtual machines.
- Provision and **allocate virtual machine** resources (CPU, memory, storage) based on application requirements.
- **Harden and secure operating systems** by implementing industry best practices and security configurations.
- Install and **configure** required packages and tools on host operating systems, such as **Docker, Docker Compose, Maven, Ant, Gradle**
- Set up and manage **Java Runtime Environments (JRE)** and related libraries required by development teams.
- Ensure **compatibility and optimal configuration** of installed packages and tools across **different environments (dev, test, prod)**
- Implement and maintain **backup strategies** for **virtual machine instances and critical data**.
- **Configure and schedule regular backups**, ensuring data integrity and recoverability.
- **Test and validate backup** restoration processes periodically.
- Develop and document **disaster recovery plans** and procedures.
- Perform regular **server maintenance tasks**, such as **patching, updating, and upgrading operating** systems and installed packages.
- **Analyze and troubleshoot server issues** by reviewing various log files (system, application, error logs)
- Identify and resolve **hardware-related issues**, coordinating with infrastructure teams as needed.
- Collaborate with development teams to **diagnose and resolve application-specific** issues related to the server environment.
- Ensure **servers comply with organizational security** policies and industry best practices.
- **Apply security patches** and updates in a timely manner to mitigate vulnerabilities.
- **Monitor and respond to security advisories** and alerts related to installed packages and operating systems.
- Document server configurations, **maintenance procedures, and troubleshooting steps** for knowledge sharing.
- Contribute to the creation and maintenance of **knowledge base** articles and technical documentation.
- **Provide training and knowledge transfer** to team members on server administration and support processes.
- **Communicate effectively with cross-functional teams**, such as networking, storage, and security, to resolve complex issues.
- **Escalate critical issues and risks** to appropriate stakeholders, proposing mitigation strategies.

DELL INTERNATIONAL, BANGLORE, INDIA

Client Tech Support Associate (May 2015 to May 2016)



Accountability:

- Providing technical Solution to dell costumers based in USA and Canada. Worked on Critical issue like OS installation, Part replacement and other software issues. Answering query related to sales and warranty details.
- Was providing support to server related issue Raid configuration, Migration, array Expansion, software installation.
- Collecting logs and analyzing them to find the root cause of the issue and providing resolution. Working on basic networking issues on the server.

CISCO Systems - Payroll: STS Info technologies Ltd, BANGLORE, INDIA

Sr. IT Analyst (Jan 2014 to May 2015)



Accountabilities:

- Responsible for end-to-end customer resolution of LAN/WAN/Wireless/Network Management issues.
- Responsible for TAC support for global customers
- Implement and troubleshoot Routing & Switching solution which includes.
- Co-ordinating and aiding field support and partner engineers.
- Coordinating with L3/ERT for software/hardware bug identification and fixes.
- Actively participating in Knowledge Base documentation

Accountabilities:

- Managing the incidents which will occur in the IT infrastructure and maintaining the agreed upon SLA with the customer.
- Installation, configuration and troubleshooting database management applications like Oracle10gR2, TOAD etc.
- Profile configuration, design upgrade and downgrade, modify AD, verify agents.
- Installing, configuring, and troubleshooting VPN clients & connectivity
- Installation, configuration and troubleshooting applications.

PERSONAL DETAILS

Date of birth: 02nd November

Languages known: English

Nationality: Indian

Technical Content & Community

Technical Content Creator | MKBN-Tech YouTube Channel

Create hands-on technical content focused on **Red Hat OpenShift, Platform Engineering, DevOps, Kubernetes, and open-source technologies**, sharing practical architecture patterns, implementation guides, and real-world engineering practices.
700+ subscribers | 45K+ views