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PROFESSIONAL SUMMARY

- Senior DevOps Engineer with 10+ years of expertise in automating CI/CD pipelines, managing hybrid cloud/Kubernetes infrastructures, strengthening Linux operations, and implementing observability, security, and HA/DR solutions—consistently driving cost savings, high availability, and operational efficiency
- **Cloud & Infrastructure Expertise:** Designed scalable, secure, and high-availability solutions across AWS (EC2, S3, RDS, Route 53, IAM, Lambda, ECS, EKS, CloudWatch) and GCP; engineered AWS Virtual Data Centers with VPC, subnets, ELBs, and security groups to support enterprise-level workloads.
- **Containerization & Orchestration:** Automated deployments with Docker and Kubernetes, including Rancher and Helm on EKS clusters, ensuring fault tolerance, high availability, and seamless workload management across development and production.
- **Automation & CI/CD:** Built fully automated CI/CD pipelines with Jenkins integrating Docker, SonarQube, Nexus, and Kubernetes, while leveraging Bash scripting and Ansible Playbooks for configuration management, patching, and server automation.
- **System Administration & Security:** Optimized Linux server performance with kernel tuning, implemented advanced monitoring (Nagios, Prometheus, Grafana), and secured client-server communication using OpenSSL, Certbot, and WinAcme for certificate lifecycle management.
- **Application & Team Enablement:** Deployed and optimized Java, PHP, and Node.js applications on Apache, Tomcat, HTTPD, and Nginx with performance and security tuning; trained L1–L3 teams, improving advanced troubleshooting and operational efficiency.

CERTIFICATIONS

- RHCE : RedHat Certified Engineer
- MCSA : Microsoft Certified Solution Associate
- MS-700 : Microsoft Certified Teams Administrator Associate
- Ribbon SBC Edge Technical : SBCE11
- AWS Certified Solution Architect
- AWS Certified Machine Learning Engineer-Associate

TECHNICAL SKILLS

Cloud Platforms	AWS (EC2,VPC,RDS,IAM, Terraform, S3, ELB, Auto Scaling, CloudFront, Route 53, CloudWatch, , EBS),Azure, OVH (Dedicated Cloud Hosting),VMware
DevOps Tools CI/CD	Jenkins, Ansible, Terraform, GitHub, Azure Pipelines, AWS Code Pipeline, Docker, Kubernetes, SonarQube, Nexus, Python, Bash Shell Scripting, Git, GitHub, GitLab, Bitbucket, Azure Repos, Helm, Groovy, kops, Spring Boot, Django, Angular, ReactJS, NPM, nodeJS
Monitoring and Security	Nagios,Prometheus,Grafana,Splunk,OSSEC,Lynis,Wireshark,Solar-Winds,Rancher
Databases	MySQL, PostgreSQL, RDS, Cassandra, DynamoDB, Redis, Redshift
Operating Systems	Linux (RHEL, Ubuntu, Sus, Debian, CentOS), Windows Server 2008R2,2012,2016
Network Protocols	SSH, DNS, DHCP, HTTP/HTTPS, FTP, LDAP, Samba, NFS

PROFESSIONAL EXPERIENCE

- Walmart, USA
- May 2025 – Present
- Role: DevOps Engineer
- Spearheading containerized deployments with **Docker** and **Kubernetes**, optimizing scaling, rolling updates, and self-healing capabilities—resulting in improved reliability and 30% faster issue resolution for production workloads.
 - Designed and **maintained CI/CD pipelines** integrating Jenkins, **GitHub Actions**, and Artifactory, streamlining build, test, and release workflows while cutting deployment times by 40%.

- Implemented **OPA Gatekeeper** policies to **enforce security** and **compliance standards** across Kubernetes clusters, reducing misconfigurations and audit findings by 25%.
- Collaborated with developers, QA, and cloud engineers to **automate infrastructure provisioning** on Linux-based systems, improving environment consistency and eliminating 20+ hours of manual configuration per month.
- Championed **proactive monitoring** and logging strategies with **Prometheus**, **Grafana**, and **ELK Stack**, ensuring high availability and reducing mean-time-to-detect (**MTTD**) by 35%.
- Partnered with cross-functional teams to enhance release governance and delivery practices, improving stakeholder confidence and accelerating feature rollout cycles for customer-facing applications.

WPP, San Francisco, CA

August 2024 – March 2025

Role: Sr. DevOps Engineer

Description: My role was pivotal in automating CI/CD pipelines, managing hybrid cloud infrastructures, optimizing containerized microservices, and implementing advanced monitoring and security solutions. By driving infrastructure automation and enabling seamless deployments, I have reduced deployment times by 40%, minimized downtime to 99.99% availability, and improved operational efficiency—delivering measurable cost savings of \$3 million annually.

Responsibilities

- Architected and managed scalable, secure, and highly available cloud infrastructures on **AWS** and **Azure** (EC2, VPC, RDS, IAM, S3, Route53, CloudFront, AKS, EKS), **automating deployments** with **Terraform** and **Helm** for consistency across environments.
- Deployed and orchestrated **enterprise-grade Kubernetes clusters** (EKS, AKS) and **Dockerized** applications with dynamic scaling, **rolling updates**, and self-healing, **ensuring high availability** and **resiliency of microservices**.
- Engineered **CI/CD pipelines** with **Jenkins**, **GitLab**, SonarQube, Nexus, and automated testing workflows, cutting deployment time by 40% while improving release quality and governance.
- Implemented observability solutions using ELK Stack, AWS CloudWatch, and Prometheus/Grafana, establishing real-time alerting, **system health monitoring**, and **performance tuning** across cloud workloads.
- Developed and modernized applications with Java, Spring Boot, and Kubernetes, boosting deployment efficiency by 40%, while integrating Keycloak for secure authentication and access management.
- **Designed disaster recovery** and HA strategies with Pacemaker, Corosync, Rsync, and multi-region cloud setups, **achieving near-zero downtime** for mission-critical services.
- Automated **infrastructure provisioning** and **configuration via Ansible**, Terraform, and Proxmox, integrating version-controlled workflows in **Git repositories** to enable peer reviews and infrastructure-as-code practices.
- Strengthened DevOps & Linux operations by managing artifacts (Artifactory, Maven, S3), securing SSH access, analyzing network traffic with tcpdump, and optimizing VMware/Proxmox/KVM environments for cost-effective scaling.

Environment/Tools: Git, GitHub, Jenkins, Maven, SonarQube, Nexus, Kubernetes, EKS, AWS Fargate, AWS ECS, Prometheus, Grafana, ELK Stack, Terraform, AWS SageMaker, PyTorch

COMCAST (Remote)

August 2022 – June 2024

Role: Sr DevOps Engineer

Responsibilities

- Deployed and managed **LXC containers on Proxmox** and Kubernetes clusters in production, ensuring lightweight virtualization, high availability, and efficient resource utilization across DevOps workflows.
- Orchestrated **EKS upgrades and disaster recovery strategies** with blue-green/canary deployments, enabling seamless application updates, fault tolerance, and zero-downtime resilience.
- Configured **AWS IAM roles, accounts, and policies** to enforce least-privilege access, while leveraging EC2, S3, RDS, Route 53, ELB, and Auto Scaling Groups to build secure, scalable, and highly available infrastructures.
- Developed and maintained **end-to-end CI/CD pipelines** using Jenkins, Terraform, and JUnit testing, reducing manual intervention, accelerating release cycles, and improving code reliability.
- Managed **Docker and container images** in Nexus Artifactory, hosted Maven repositories, and automated dependency management to streamline builds and deployment lifecycles.
- Implemented **infrastructure monitoring and logging** with AWS CloudWatch, Nagios, and the ELK Stack, including long-term log storage in S3, enabling proactive alerts and compliance tracking.
- Deployed and optimized **databases including MySQL, PostgreSQL, and MongoDB clusters** in containerized and virtualized environments, improving scalability and performance.
- Centralized **Terraform state management** in S3 and Terraform Cloud for collaborative infrastructure-as-code practices, ensuring consistency and auditability across teams.

Environment/Tools: Linux, AWS,Docker, Kubernetes, Jenkins, Nexus Artifactory, Nagios, ELK stack, Ansible, GitLab, Route53, IAM, CloudWatch, S3, EC2, Security Groups, TCP/IP, DNS, Shell/Bash Scripting

GBS PLUS PVT LTD, India

April 2018 – July 2022

Role: Sr Linux Engineer | SRE

Responsibilities

- **Administered Linux systems (Red Hat, Debian, Ubuntu)** by installing, upgrading, and managing packages using YUM, RPM, and APT; performed advanced kernel tuning, resource allocation, and automated backups with Crontab to optimize performance and reliability.
- **Implemented Linux server hardening** with SELinux, AppArmor, Fail2ban, FirewallD, and iptables; enforced PCI DSS/GDPR compliance through secure access controls, password-less SSH authentication, and regular vulnerability scans with Nessus, Qualys, and Lynis.
- **Installed and managed application and web servers** including WebSphere, WebLogic, Apache, HTTPD, and Tomcat; handled SSL certificate integrations (Certbot, GoDaddy) and domain management via cPanel for secure and scalable deployments.
- **Built and maintained CI/CD pipelines with Jenkins**, automating build, test, and deployment workflows; engineered VM images for VMware vSphere, OpenShift, and Workstation, streamlining infrastructure provisioning and reducing manual intervention.
- **Deployed monitoring and observability stacks** using Prometheus, Grafana, Datadog, CloudWatch, and Kafka Manager; established real-time dashboards, alerts, and pod-level analysis that improved system reliability by 25% and cut response times by 40%.
- **Integrated monitoring with incident management systems** like PagerDuty, automated response playbooks, and ticket resolution scripts; reduced MTTR significantly and standardized RCA processes through detailed post-incident reviews.
- **Orchestrated end-to-end streaming pipelines** by integrating Kafka with Splunk, enabling seamless data ingestion and real-time analytics; monitored throughput, latency, and stream health with Grafana and Kafka Manager for continuous optimization.
- **Designed scalable storage and data management solutions** leveraging LVM, HDFS, Ceph, and GlusterFS, ensuring efficient resource utilization and reliable distributed storage for large-scale enterprise workloads.

Techvantage Systems, India

November 2014 – March 2018

Role: Sr. System Administrator

Responsibilities

- Installed, configured, and maintained **Windows Server environments**, ensuring stable and secure operations.
- Performed server patching and updates using **Windows Server Update Services (WSUS)** and automated tools to maintain compliance and reduce vulnerabilities.
- **Managed Active Directory (AD)**, including creating and managing users, groups, and **organizational units (OUs)** to maintain efficient directory structures
- Configured **role-based access control (RBAC)** to enforce least privilege access policies across user accounts, enhancing security.
- Implemented and maintained **Group Policy Objects (GPOs)** to enforce organizational security and compliance requirements, such as password policies and application restrictions
- Deployed and maintained **System Center Configuration Manager (SCCM)** for operating system imaging, application deployment, and patch management, streamlining endpoint management.
- Designed and managed **Active Directory (AD)** infrastructure, including domains, forests, and trust relationships, ensuring seamless authentication and resource access across the organization.
- Created and maintained standardized system images using **Sysprep** for consistent deployment across diverse hardware and virtual environments.

Environment/Tools: Windows Server 2008 R2, Windows Server 2012, CentOS, Ubuntu Server, VMware ESXi, Task Manager, Resource Monitor, Performance Monitor, YUM, Hyper-V.

EDUCATION

Bachelor of Science in Computer Science | University of Kerala, Kerala, India

April 2006 – April 2009

Master of Science in Computer Applications | University of Kerala, Kerala, India

July 2009 – July 2012