Rewat Singh

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Summary

DevOps Engineer with 4 years of experience in AWS, microservices, CI/CD automation, infrastructure hardening, and Linux/Networking. Skilled in building secure, scalable, and observable cloud-native systems, with hands-on projects showcased on GitHub.

Core Skills

- **Operating Systems & Administration:** Linux (Ubuntu, Kali, RHEL), Windows Server (Active Directory, Group Policy)
- **Cloud Platforms:**
  AWS: EC2, S3, RDS, DynamoDB, Lambda, VPC, Route53, CloudFront (CDN), CloudWatch, CloudTrail, IAM, EKS, ECS, ALB/NLB, WAF, GuardDuty, Security Hub, Config, KMS, Secrets Manager, SSM, ACM
  Azure: VMs, AKS, App Services, Azure Monitor, Key Vault
- **Networking & Load Balancing:** TCP/IP, DNS, DHCP, VPN, NAT, HAProxy, Nginx, httpd, tomcat
- **Infrastructure as Code (IaC) :** Terraform, Packer, AWS CloudFormation, Ansible, Vagrant
- **CI/CD & Automation:** Jenkins, GitHub Actions, ArgoCD, JFrog Artifactory, Harbor, AWS ECR, Bash, Python (Boto3)
- **Containers & Orchestration:** Docker, Docker Compose, Kubernetes, Helm, OpenShift
- **DevSecOps & Security:** SonarQube, Burp Suite, Snyk, Trivy, Kube-bench, Aqua Security, HashiCorp Sentinel, Splunk, ISO 27001, NIST, PCI-DSS, CIS Benchmarks, Nmap, Wireshark, Firewalls, Zero Trust, RBAC
- **Monitoring & Observability:** Prometheus, Grafana, Zoho Site24x7, ELK Stack
- **Databases & Data:** MySQL, PostgreSQL, MongoDB, Redis, Apache Airflow, Tableau

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Professional Experience:

Q3 Technologies, Jaipur

Technical Support Engineer

Nov 2022 – Present

- Collaborated with Dev, QA, and Ops teams to streamline SDLC, resolve technical issues, and ensure smooth integration and deployment of web and mobile applications, enhancing release efficiency and system reliability.
- Led root cause analysis (RCA) during production incidents; mentored junior engineers and contributed to sprint planning in agile setups.
- Administered Atlassian tools — Jira (workflow automation), Confluence (documentation), OpsGenie & StatusPage (incident/monitoring) — improving cross-team collaboration.
- Monitored critical infrastructure and applications across AWS, Azure and Zoho; delivered incident, health check, and custom analytics reports on weekly/monthly/quarterly basis.
- Configured and monitored AWS resources such as GuardDuty, Systems Manager Compliance, SSL/TLS certificates, and access controls; performed routine tasks including client IP whitelisting and system hardening.
- Managed CMS platform (Sitecore) for live content updates, troubleshooting, and out-of-hours maintenance to ensure accuracy and uptime.
- Performed API testing with Postman; contributed to automated testing pipelines using Selenium & Pytest, integrated into CI/CD workflows for continuous QA.
- Managed user access and RBAC with OIDC-based identity platforms; provisioned roles via AD/LDAP; automated secrets and credentials delivery using HashiCorp Vault.
- Provided timely email/voice support, maintained clear project communication, and ensured effective stakeholder alignment.

Ecuzen Softwares, Jaipur

DevOps Engineer Intern

Aug 2021 – Sept 2022

- Designed and maintained CI/CD pipelines with Jenkins, GitLab CI/CD, and GitHub Actions for monolith, containerized, and microservices deployments, reducing release time by 30%.
- Built and deployed serverless apps (Lambda, API Gateway, SAM CLI) with automated delivery via AWS CodePipeline and secure credentials in AWS Secrets Manager.

- Provisioned and managed AWS infrastructure using Terraform, Ansible, and CloudFormation (VPC, EC2, RDS, EKS, S3, IAM, ALB, KMS); enforced compliance via CloudTrail & Config and optimized spend with Cost Explorer.
- Automated deployments with GitOps pipelines combining GitHub Actions, Helm, and ArgoCD; managed multi-chart apps and sync policies.
- Containerized apps with Docker and developed secure multi-stage images with Trivy scans; optimized local dev with Docker Compose; managed distribution via JFrog Artifactory.
- Deployed and maintained EKS clusters with Calico + eBPF for network policies, observability, and service mesh; implemented advanced routing with Istio Ingress, ALB, and NLB.
- Configured Prometheus + Grafana dashboards with Slack alerts; managed centralized logging with ELK and Splunk.
- Automated infra tasks with Bash/Python scripts (NGINX config, SSL setup with Let's Encrypt, EC2 monitoring, S3 backups) using Boto3 and Crontab.
- Implemented secure SSO/authentication (OIDC, JWT, Vault, Identity) for applications; conducted continuous code quality checks with SonarQube.
- Supported Linux/Windows administration (patching, tuning, backups, VMware, Hyper-V) and applied strong knowledge of IP, subnetting, firewalls, BGP, OSI model to design hybrid networks.

Network Engineer

Edge Telecom, Gurugram

Dec 2018 – Jan 2020

- Deployed and commissioned telecom and enterprise networks, ensuring reliable connectivity through Fiber integration, edge devices, and service validation.
- Managed WAN/MPLS networks (VRF, OSPF, BGP, QoS) and configured redundancy protocols (HSRP/VRRP) to achieve high availability.
- Monitored and troubleshot backbone infrastructure using OTNM2000 and optical monitoring tools, resolving issues across 40G/100G transport links.
- Implemented network security and performance optimizations, including access controls, monitoring, and disaster recovery planning.
- Led a team of 4 engineers, coordinating daily operations, technical support, and customer service delivery.

Education

B. Tech – Electronics & Communication Engineering, JNIT Jaipur, 2018

Certifications:

- AWS Certified DevOps Engineer Professional
- CompTIA Network+