Ashiwani Kumar

Linux DevOps Engineer

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DevOps Engineer with 6+ years of hands-on experience in enterprise infrastructure management, cloud automation, and full-stack solutions. Specialized in Oracle technologies including Oracle Linux (6.x, 7, 8), Oracle Golden Gate, and database administration across mission-critical environments. Proven expertise in Python automation, Infrastructure as Code, and multi-cloud architecture with strong background in automated patching solutions, VM provisioning, and identity management integration.

Core Expertise: Enterprise data center operations · Incident response & SLA management · Bare metal server lifecycle VMware infrastructure management · Multi-cloud architecture · Security compliance frameworks · Python-driven automation · Identity & Access Management · Security Compliance

Technical Skills

DevOps Engineering

- Monitoring & Observability: Prometheus, Grafana, ELK Stack, Splunk, Zabbix, DataDog
- Incident Management: SLA/SLO management, Error budgets, Post-incident reviews, Alerting systems
- Performance Engineering: Load testing, Capacity planning, Performance optimization

Cloud Infrastructure & Automation

- Infrastructure as Code: Terraform, Ansible, CloudFormation, Puppet, Chef
- Container Orchestration: Kubernetes, Docker, Helm Charts, ArgoCD
- Cloud Platforms: AWS (Amplify, S3, CloudFront, EC2, IAM), Azure
- Monitoring & Observability: Prometheus, Grafana, ELK Stack, Oracle Cloud Observability
- CI/CD Platforms: Jenkins, GitHub Actions, GitLab CI, GoCD, Travis CI, CircleCI

Enterprise Infrastructure

- Virtualization: VMware ESXi, vSphere optimization
- Storage Technologies: NFS, iSCSI, GlusterFS, SAN/NAS management
- Network Services: DNS, DHCP, PXE, SAMBA, Active Directory integration
- Security: IAM roles, security policies, compliance frameworks

Programming & Scripting

- Languages: Python, Bash, YAML, Groovy, Node.js, Jupyter Notebooks
- Databases: PostgreSQL, MongoDB, Oracle RDBMS, Redis, MySQL
- Operating Systems: Red Hat, SUSE, Ubuntu, Oracle Linux

Professional Experience

Linux DevOps Engineer | Astek Middle East

Jan 2024 - Present | Abu Dhabi, UAE

Deployed at Idemia for Abu Dhabi Government Airport Infrastructure

Managing Critical Infrastructure for 5 UAE Airports:

Key Achievements & Responsibilities:

- Manage Oracle Linux 7 & 8 servers across 5 UAE airports with 400+ physical servers
- Handle complete server lifecycle from procurement to decommissioning in government data centers
- Maintain 99.9% uptime for mission-critical systems in air-gapped environments
- Perform hands-on hardware troubleshooting, server rack management, and capacity planning
- Limited cloud integration for non-critical backup and disaster recovery services
- Maintain security compliance for government systems requiring on-premises deployment
- Develop Python automation scripts for VM onboarding and configuration management
- Deploy and manage AWS cloud services including Amplify, S3, and CloudFront for SaaS applications

DevSecOps & Compliance:

- Integrated security scanning (SonarQube, Nessus) into CI/CD pipelines achieving 100% compliance with government security frameworks
- Automated vulnerability assessments reducing security incident response time by 70%
- Implemented AWS IAM roles and KMS encryption for secure government data protection

Technical Achievements:

- Built CI/CD pipelines using Jenkins, GitHub Actions, and ArgoCD for zero-downtime deployments
- Managed Oracle RDBMS clusters with data replication across multiple airport locations
- Developed Python automation scripts for system integration and monitoring tasks

System Engineer | Linux Administrator | NMC Healthcare

Aug 2022 - Jan 2024 | Abu Dhabi, UAE

Healthcare Infrastructure Management:

- Operated 2 dedicated healthcare data centers with 400+ VM's servers & 45+ Physical Servers
- Managed 400+ servers supporting Electronic Medical Records (EMR) systems with 99.8% availability
- Optimized cloud infrastructure on AWS and Azure reducing operational costs by 35%
- Ensured compliance with UAE Department of Health (DOH) standards and regulations

Automation & Monitoring:

- Implemented comprehensive monitoring using Grafana and Prometheus with automated alerting
- Deployed ELK Stack for centralized logging reducing troubleshooting time by 60%
- Created automated backup and disaster recovery procedures meeting healthcare compliance requirements
- Implemented Management Ant Engine for automated OS patching and EOL server management

Professional Experience

Linux System Administrator | CoreHive Computing LLC

Jun 2021 - Jul 2022 | Hyderabad, India

Enterprise Infrastructure Management:

Key Achievements & Responsibilities:

- Administered 200+ SUSE Linux servers (versions 10-15) for international telecommunications clients
- Automated server provisioning using Ansible reducing setup time by 60%
- Implemented security measures ensuring 100% compliance with international data protection standards
- Implemented Management Engine for automated patching workflows
- Managed VMware ESXi and vSphere environments optimizing resource utilization by 40%

SUSE Linux & VMware Administrator | Dilip Buildcon Limited

Aug 2018 - Jun 2021 | Bhopal, India

Construction Industry Infrastructure Management:

Key Achievements & Responsibilities:

- Managed enterprise Linux and VMware environments supporting construction management systems
- Collaborated with SAP Basis team for seamless business operation integration
- Administered storage solutions including NFS, iSCSI, and GlusterFS (versions 6,7,8)
- Configured and managed DNS, DHCP, PXE, SAMBA, and FTP servers
- Performed L1/L2 network troubleshooting and switching configuration
- Developed automation scripts improving operational efficiency by 40%
- Implemented backup and recovery solutions ensuring zero data loss

Technical Support Engineer | Seagull Global Logistics

Feb 2016 - Dec 2016 | Patna, India

Logistics Infrastructure Support:

Key Achievements & Responsibilities:

- Managed multi-OS environments ensuring optimal system performance and reliability
- Deployed and managed AWS EC2 instances for logistics applications
- Administered VMware ESXi virtualization infrastructure optimizing resource utilization
- Provided technical troubleshooting and automation using Ansible
- Developed CLI-based automation tools for system management tasks

Professional Experience

Linux System Administrator | CoreHive Computing LLC

Jun 2021 - Jul 2022 | Hyderabad, India

Enterprise Infrastructure Management:

Key Achievements & Responsibilities:

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Key Achievements & Metrics

Reliability & Performance

- 99.9% uptime maintained across 5 UAE airports serving 50M+ annual passengers
- 80% reduction in infrastructure deployment time through Terraform automation
- 70% faster security incident response through automated monitoring
- 60% improvement in server provisioning speed via Ansible automation

Cost Optimization

- 35% reduction in cloud infrastructure costs through optimization
- 40% efficiency improvement in operational workflows through automation
- Zero downtime deployments achieved through advanced CI/CD implementation

Security & Compliance

- 100% compliance achieved with government security frameworks
- Zero security incidents in production environments over 2+ years
- Automated vulnerability scanning integrated into all deployment pipelines

Certifications

Current Certifications

- AWS Certified Solutions Architect - Associate (2024)
- RHCSA (Red Hat Certified System Administrator)
- CCNA (Cisco Certified Network Associate)
- JNCIA-Cloud (Juniper Networks Certified Associate - Cloud)
- JNCIA-SEC (Juniper Networks Certified Associate - Security)
- JNCIA-Junos (Juniper Networks Certified Associate - Junos)

In Progress

- AWS Certified DevOps Engineer - Professional (Expected 2025)
- Certified Kubernetes Administrator (CKA) (Expected 2025)

Education

Bachelor of Engineering - Computer Science & Engineering

Rajiv Gandhi Prodyogiki Vishwavidyalaya, India | 2015 - 2018

First Class Graduate

- Specialization: Data Analysis, Cybersecurity, Database Management, Network Security, DevOps Engineering
- Final Project: Automated Vehicle Security System using Raspberry Pi - Developed real-time monitoring system for vehicle identification and theft prevention

Diploma in Computer Science Engineering

Haryana State Technical Education, India | 2011 - 2014

Languages

- English: Professional Working Proficiency
- Hindi: Native/Bilingual Proficiency

Professional Strengths

Leadership & Communication

- Cross-functional collaboration with international teams across UAE, Oman, and India
- Stakeholder management for government and enterprise clients
- Technical mentoring for junior engineers and team members

Problem Solving

- Incident management expertise with proven crisis resolution skills
- Analytical thinking for complex infrastructure troubleshooting
- Proactive monitoring to prevent issues before they impact users

Continuous Learning

- Technology adoption - Early adopter of new DevOps tools and practices
- Industry certifications - Continuously updating skills with latest technologies
- Knowledge sharing - Active contributor to team knowledge base and documentation

Projects & Contributions

- Technology adoption - Early adopter of new DevOps tools and practices
- Industry certifications - Continuously updating skills with latest technologies
- Knowledge sharing - Active contributor to team knowledge base and documentation

Government Airport Infrastructure (2024-Present)

- Scale: 5 UAE airports, 50M+ annual passengers
- Technology: Terraform, Kubernetes, Oracle RDBMS, AWS
- Impact: 99.9% uptime, 80% faster deployments

Healthcare EMR System Optimization (2022-2024)

- Scale: 400+ servers, multiple healthcare facilities
- Technology: AWS, Azure, ELK Stack, Grafana
- Impact: 35% cost reduction, DOH compliance achieved

Telecommunications Infrastructure Automation (2021-2022)

- Scale: 400+ SUSE Linux servers
- Technology: Ansible, VMware, Python automation
- Impact: 60% faster provisioning, zero security incidents