

CHIRAG PANDEY

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Lead DevOps & Cloud Engineer

PROFESSIONAL SUMMARY

Senior DevOps Engineer with 15+ years of experience architecting and automating scalable, secure cloud infrastructure across AWS and Azure environments. Expert in Kubernetes (EKS, Rancher, Helm), Terraform (IaC), Docker, CI/CD pipelines (Jenkins, Azure DevOps, GitHub Actions), and observability tools (Prometheus, Grafana, ELK). Proven in modernizing legacy systems, implementing DevSecOps practices (Fortify, Hashi Corp Vault), and driving reliability through automation and chaos engineering (Gremlin). Passionate about leveraging Generative AI (GitHub Copilot, Microsoft Copilot) to boost engineering efficiency and innovation. Seeking opportunities to optimize platform engineering and cloud-native transformations.

CORE SKILLS

- **Cloud:** AWS (EC2, VPC, IAM, S3), Azure (Azure DevOps, Azure VM, VNet)
- **Containerization & Orchestration:** Docker, Kubernetes (Rancher, EKS, Helm), Container Orchestration
- **CI/CD & Automation:** Jenkins, Azure DevOps, GitHub Actions, TeamCity, Octopus Deploy, Concourse CI, Terraform, CloudFormation, Ansible, Bash, Python, PowerShell, Perl
- **Monitoring & Observability:** New Relic, Prometheus, Grafana, ELK stack, Jaeger, Splunk, CloudWatch
- **Messaging & Other.:** RabbitMQ, Kafka, Gremlin (**Chaos Engineering**)
- **Security & Networking:** HashiCorp Vault, Ansible Vault, Fortify on Demand, F5 BIG-IP, Certificate Management, Route 53, CloudFront, Load Balancers, VPN
- **OS & Virtualization:** Linux (RHEL, CentOS, Ubuntu), Windows, VMware
- **AI & Innovation:** GitHub Copilot, Microsoft Copilot

PROFESSIONAL EXPERIENCE

Sr. DevOps Engineer | Persistent Systems | Bridgewater, NJ (03/2025 – 09/2025)

- Designed automated CI/CD pipeline for Java and .NET applications.
- Automated infrastructure and alerting with Terraform; implemented Fortify on Demand SAST and security remediation.
- Developed automation scripts using Bash, PowerShell and Python.
- Managed Kubernetes clusters using helm charts on rancher and Azure.

Sr. DevOps Engineer | Ascensus LLC | Dresher, PA (02/2022 – 02/2025)

- Designed and automated CI/CD pipelines using Azure DevOps, TeamCity, and Octopus Deploy for Java and .NET applications, enabling frequent releases and reducing manual errors.
- Containerized legacy WebLogic applications and managed Kubernetes clusters (AKS and on-prem via Rancher) with Helm charts, integrating ELK Stack, Jaeger, and RabbitMQ for enhanced observability and messaging.
- Implemented Infrastructure as Code (IaC) with Terraform & GitHub Actions workflows; automated alerting, security scanning via Fortify on Demand SAST, and remediation processes.
- Migrated load balancing from Kemp to F5 BIG-IP LTM/APM, redesigning virtual servers, pools, health monitors, and persistence profiles to achieve zero-downtime transitions.
- Participated in quarterly Disaster recovery.
- Leveraged GitHub Copilot and Microsoft Copilot to accelerate script development and delivery in Generative AI-assisted workflows.

DevOps Consultant | Infosys Ltd. | Comcast, Reston, VA (06/2020 – 02/2022)

- Supported Micro Segmentation Network (MSN) project with focus on network security and automation.
- Managed and optimized AWS EKS clusters with **Terraform**, enabling scalable environments using Auto Scaling Group (ASG). Used Mongo, Cassandra, Redis for distributed and high-performance data storage.
- Automated team notifications via Slack integrations, improving visibility of deployment and monitoring events.
- Implemented Chaos Engineering experiments using **Gremlin** to test resilience; integrated Kafka for event-driven operations.
- Enhanced monitoring and alerting using Grafana, Prometheus, and Splunk, improving incident visibility.

DevOps Consultant | Infosys Ltd. | Comcast, Reston, VA (03/2019 – 03/2020)

- Standardized and automated Ansible pipelines for cloud-native applications with Jenkins and Concourse CI.
- Automated secret management via Ansible Vault and Hashi Corp Vault.
- Managed GitHub Enterprise repositories, branching strategies, and API integrations.
- Containerized and orchestrated apps using Docker and Kubernetes (Rancher).
- Developed Git statistics dashboard and automated reporting.
- Test-Driven Deployment (TDD) using Molecule solution for Ansible roles.

Lead Unix/Linux Consultant | Infosys Ltd. | College of American Pathologists, Chicago, IL (07/2017 – 11/2018)

- Led HP-UNIX to RHEL/OEL migration for Oracle and Informix DB
- Designed system architecture, RAID configuration, and server build documentation.
- Automated OS-level scripts for migration and provisioning using shell scripting.

Sr. Linux Administrator | Hewlett Packard Enterprise (HPE), Bangalore, India

(03/2013 – 07/2016)

- Managed large-scale **SaaS and lab** infrastructure using RHEL, CentOS, VMware, and AWS (EC2, VPC, S3).
- Automated provisioning for Oracle RAC, Vertica, MongoDB, PostgreSQL with **Puppet** and **Shell/Python**.
- Managed **system performance, patching, and storage** (LVM, NFS, NAS/SAN) ensuring uptime and in compliance with **ITIL** practices.
- Supported **Active Directory integration, Git-based version control**, and enterprise tools such as **Jira, HPSA, and HP Service Anywhere**.
- Led **L3/L4 escalations**, mentoring team members and standardizing documentation and procedures.

Sr. Operations Engineer | Iron Mountain Digital, Bangalore, India *(08/2010 – 02/2013)*

- Automated server and backup operations using Perl and PowerShell across Windows heavy environments.
- Led DR test automation and performance tuning, managed patching across global data centers.
- Recognized with SDQ Best Performer (Q3 2010) and Best Team Award (Q3 2008).

Operations Engineer | Iron Mountain Digital, Bangalore, India *(09/2008 – 07/2010)*

- Managed Windows and SQL Server environments, automated DR configuration updates via Perl scripting.
- Coordinated release management and performance optimization initiatives.

CERTIFICATIONS

- ITIL V3 Foundations certified | Six Sigma Yellow Belt | Red Hat Certified (RHCSA & RHCE Training) | AWS Solutions Architect – Professional (Training Completed)

EDUCATION

- Bachelor of Technology (B. Tech) – Electronics & Telecom
Uttar Pradesh Technical University, Roorkee, India – 2004-2008