

Praveen Kumar

Sr Analyst Infrastructure Services

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PROFESSIONAL SUMMARY:

Accomplished and result-oriented DevOps Engineer with **5.7 years of experience** in the IT industry, including **3.6 years of hands-on experience in DevOps**. Skilled in automating, optimizing, and supporting mission-critical infrastructure and deployments. Proficient in CI/CD, configuration management, container orchestration, infrastructure as code (IaC), and cloud platforms including AWS and GCP

WORK EXPERIENCE:

DXC. Technology - Bangalore, Karnataka

Jan 2022 –Present.

Project – Opel Vauxhall Finance, PerkinElmer

Infrastructure & Provisioning.

- Used Terraform to create and manage VMs on AWS and Google Cloud.
- Created and managed Amazon EKS and Google GKE clusters.
- Configured NFS volumes, Ingress controllers, RBAC, and network policies for security and storage.
- Applied resource limits and resource quotas to the pods and namespaces.
- Provisioned storage class volumes for pods in Google Cloud.

CI/CD Pipeline Setup.

- Built CI/CD pipelines using Jenkins and AWS Code Pipeline.
- Integrated tools like Git, GitHub, and Maven for automated builds and deployments.
- Connected pipelines to SonarQube for code quality checks and AWS artifacts for storing build artifacts.

Containerization & Orchestration.

- Created Docker files and built Docker images.
- Deployed containers to Amazon EKS, GKE, Docker Swarm, and Elastic Container Service (ECS).
- Utilized Docker Compose for the development and testing of web applications.
- Used Amazon ECR and DockerHub private registries to store and manage Docker images.
- Enabled auto-scaling (HPA) and configured load balancers for high availability.
- Set up Mirantis Kubernetes Engine and Swarm cluster.

Application Deployment

- Used ArgoCD and Helm for GitOps-based Kubernetes deployments.
- Deployed three-tier applications on Kubernetes clusters with NFS and EFS storage.
- Managed dynamic deployments triggered by code commits using Jenkins and AWS Code Pipeline.

Automation & Configuration Management

- Developed playbooks for configuration management of remote servers.
- Automated deployments using Ansible and integrated it with Jenkins.
- Implemented infrastructure as code (IaC) using Terraform and Ansible.
- Maintained ConfigMaps and Secrets for environment-specific application settings on Kubernetes.

Cloud & Tools Experience

- Worked on AWS, Google Cloud (GCP), and container orchestration platforms.
- Managed Elastic Beanstalk, ECS, Fargate, and Cloud Storage.
- Performed ETCD backup and Kubernetes cluster upgrades with zero downtime on self-managed Kubernetes clusters.
- Utilized GitHub repository to track code changes and trigger deployments in Helm charts.
- Configured Prometheus** to collect and monitor metrics from applications and Kubernetes clusters.
- Set up Grafana** dashboards to visualize metrics and monitor system health in real-time.

CI/CD:	Jenkins, AWS Code Pipelines
Build Tool:	Maven & Node.js
Container Management:	Kubernetes, EKS and GKE
Source Code Management:	Git and GitHub
Configuration management & IAC :	Ansible & Terraform
Containerization:	Docker
Ticketing:	Jira, Snow and HPSM
Artifact Management Tool:	AWS Code Artifacts
Code quality:	SonarQube
Operating System:	Windows, Linux
Cloud Platform:	AWS and GCP

DXC. Technology - Bangalore, Karnataka

Oct 2019 – Mar 2020

Designation: Analyst I-III Infrastructure Services

- Monitoring the performance and capacity of computer systems and responding to network alerts and hardware malfunctions.
- Engaged in regular communication with DevOps engineers to understand their specific technical requirements and provided timely support and solutions using SolarWinds.
- Provided first-level end-user support to resolve system issues. Manages and maintains Development, QA, Production, and Failover systems and servers.
- Resolved application issues in various technical platforms along with the development of alternative solutions and schedules.
- Responsible for message handling, command line utilities, work management, job and print control, device management, system configuration, system security, backup and restore, job monitoring and recovery, installations, and upgrades.
- Maintained patch and update management to the Docker and Kubernetes servers, managed change requests, escalated issues and outages, and proficiently managed tasks and issues using ServiceNow and HPSM, ensuring efficient problem resolution.
- Assisted in maximizing uptime, performance, and availability of the AS400 systems. Works closely and shares performance accountability with the Infrastructure, Security, and DBA teams.
- Participated in on-call rotations, providing 24/7 support, and ensuring the availability of network resources.

Tools Used – Jira, AS400 Servers, SolarWinds, Automic Web interface, ServiceNow, RDPs and Big Panda

CERTIFICATIONS and AWARDS:

- **Azure Fundamentals AZ-900**
- **Azure administrator associate AZ-104**
- **Hashicorp Certified Terraform Associate**
- ITIL Foundation Certificate in IT Service Management – Axelos
- DXC FY24 Q2 Champs Award, DXC Recognition Emerald Award-Deliver, DXC Recognition Emerald Award-Collaborate

EDUCATION:

B. E in Electronics and Communication

SJC Institute of Technology | Chikkaballapur, Karnataka | 2019