SHANTANU VANARASE
DevOps Engineer

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Objective:

   AWS Certified DevOps Engineer with **3+ years of experience** in cloud infrastructure management, automation, and CI/CD pipeline optimization. Skilled in AWS services, **GitHub** for SCM, **Terraform** for Infrastructure as Code, **Docker** for containerization, **Kubernetes** for orchestration, **Prometheus** and **Grafana** for monitoring and CI/CD tools like **Jenkins, GitLab CI** and **AWS CodePipeline**. Adept at streamlining workflows to enhance scalability, reliability and efficiency. Seeking a challenging DevOps role to drive innovation and optimize cloud-based processes.

Professional Experience:

Zenplus Pvt Ltd   Jan 2025 – Present
Mumbai, Maharashtra, India. (Remote)

Spontact Global Pvt Ltd   Nov 2022 – Jan 2025
Bengaluru, Karnataka, India. (Remote)

Roles and Responsibilities:

- Integrated **Jenkins Pipeline** with version control systems, artifact repositories and deployment tools. Monitored jobs and optimized build performance. Automated build, test and deployment processes using declarative or scripted pipelines in **Jenkinsfile**.
- Built, managed and optimized **Docker** containers for development, testing and production environments. For Docker container written multiple **Dockerfile**.
- Orchestrated containerized applications using **Kubernetes**. Ensured container security and compliance with best practices. Deployed, managed and scaled containerized applications in Kubernetes clusters in **EKS** service of AWS. Configured and managed **K8s** resources such as pods, deployments, services and ingresses for **microservices**.
- Designed, deployed and maintained **Helm charts** to simplify Kubernetes application management and streamline deployment processes.
- For monitoring, logging and alerting solutions for K8s Clusters used **Prometheus and Grafana** and also familiar with Bugs tracking tool **Jira** is also used for tracking our Project.
- Wrote several **Ansible Playbooks** for infrastructure automation, configuration management, application deployment, system update, network automation, etc.
- Authored many **Terraform** file for built infrastructure on Cloud with multiple block like Module, Data, Resources, Terraform, Provider, etc.
- Administered version control systems and repositories. Collaborated with development teams to ensure proper branching, merging and code reviews. Executed branching strategies using **Git or GitHub**.
- Managed project dependencies and build configurations using **Apache Maven** and **Docker**, integrating them into CI/CD pipelines for automated builds and releases.
- Set up and configured **SonarQube** for code quality analysis and static code analysis. Integrated SonarQube with CI/CD pipelines to automate code quality checks. Analyzed code quality metrics, identified code smells, bugs and vulnerabilities.
- Administered **IAM** policies and roles for over 15 users, creating and managing IAM users, groups and roles in AWS and **Azure AD** to control access to cloud services efficiently.
- Configured **EC2** instances and **Azure VM** for hosting applications and services. Configured instance types, sizes and AMIs based on application requirements.

- o Utilized **S3 buckets** and **Azure Blob Storage** for object storage. Worked with databases such as MySQL, PostgreSQL, MariaDB and MongoDB, provided by **AWS RDS** and **Azure Database Services**, including database testing and optimization.
- o Configured **VPC peering**, **Transit gateways** and **Azure Virtual Network peering** for network connectivity between cloud environments. Provisioned and managed persistent block storage using **AWS EBS volumes** and **Azure Managed Disks**, including setting up backups and disaster recovery strategies like **EBS snapshots** and **Azure Backup Vault**.
- o Managed domain names and DNS records using **Route 53**. Set up **DNS** routing policies such as geo location routing, failover routing, simple routing, weighted, etc. to manage the uncertain traffics. For security of web site integrated **SLL** Certification with **ACM**.
- o Resolved server issues with **Linux** OS, including Networking, Volume Partitions and more for over 25 servers, ensuring high availability and minimizing downtime throughout the **SDLC & STLC**.
- o Experienced in Software Package Management with **yum** and **apt-get**, Managed Roles and Permissions of Users and Groups to give secured access.
- o For Security purpose, Configured Security Groups (**Firewalls**), Network Access Control List (**NACL**) and applied **SELinux** policies to secure hosted servers. And also management VMware.
- o **API Server** Management with troubleshooting of server issues. Familiar with Multiple Protocols. It helps to communicate over Internets.

Skills:

- ✓ **Version Control:** Git, GitHub and GitLab
- ✓ **Containerization Tools:** Docker
- ✓ **Container Orchestration:** Kubernetes and Docker-Swarm
- ✓ **Infrastructure as Code (IaC):** Terraform and CloudFormation
- ✓ **Configuration Management:** Ansible
- ✓ **Database Management:** MySQL, PostgreSQL, MariaDB and MongoDB
- ✓ **CI/CD Pipelines:** Jenkins CI/CD
- ✓ **Monitoring Tools:** Prometheus, Grafana and AWS CloudWatch
- ✓ **Cloud Platforms:** AWS , Basics of Microsoft Azure and GCP
- ✓ **Linux Administration:** Ubuntu, CentOS, RHEL and VMware.
- ✓ **Web Servers:** Nginx, Apache, API Server and HTTPD
- ✓ **Scripting Languages:** HCL, YAML, Go, Groovy, Python, Bash and Shell scripts.

Certifications:

AWS Certified Solutions Architect – Associate
Date Earned: December 2024
Credential ID: a72ff52638f244fa864bd8f9f95cf588
Credential URL: https://aws.amazon.com/verification/

Personal Details:

Education: Bachelor of Commerce, Pune University, 2023.
Date of Birth: 21 July 2003
Languages: English, Hindi & Marathi