

SHANTANU VANARASE

DevOps Engineer

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Objective:

Highly motivated and Immediate joiner skilled AWS Cloud, DevOps Engineer with a robust background in Linux administration to leverage my expertise in cloud technologies, DevOps methodologies and automation tools like Git, Docker, Kubernetes, Terraform, Ansible and Jenkins to drive efficient and scalable infrastructure solutions of SDLC. Committed to continuous improvement, innovation and delivering high-quality solutions in fast-paced environments to clients.

Professional Experience:

Hisan Labs Pvt Ltd,

Pune, Maharashtra, India.

Feb 2024 – Present

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**. For monitoring, logging and alerting solutions for K8s Clusters used **Prometheus and Grafana**.
- 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. Bugs tracking tool **Jira** is also used for tracking our Project.
- Administered **IAM** policies and roles for over 15 users, created and managed IAM users, groups and roles to control access to AWS services efficiently.
- Configured **EC2** instances for hosting applications and services. Configured instance types, sizes and AMIs based on application requirements.
- Configured **VPC** peering and transit gateways for network connectivity between VPCs. Provisioned and attached EBS volumes to EC2 instances for persistent block storage. Configured **EBS** snapshots for 100% backup and disaster recovery. For objects type of storage stored on **S3 Bucket**. Familiar with **MySQL, PostgreSQL, MariaDB and MongoDB** which provided by AWS **RDS** service and Testing of Database.

- 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**.
- 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**.
- Experienced in Software Package Management with **yum** and **apt-get**, Managed Roles and Permissions of Users and Groups to give secured access.
- For Security purpose, Configured Security Groups (**Firewalls**), Network Access Control List (**NACL**) and applied **SELinux** policies to secure hosted servers.
- **API Server** Management with troubleshooting of server issues.
- Familiar with Multiple Protocols HTTP, HTTPS, TCP, DHCP, NFS, FTP, SSH, etc. It helps to communicate over Internets

Skills:

- ✓ **Version Control:** Git, GitHub and GitLab
- ✓ **Containerization Tools:** Docker
- ✓ **Container Orchestration:** Kubernetes
- ✓ **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 (IAM, EC2, S3, RDS, Route 53, VPC, EFS, EKS, CloudFront), Basics of Azure and GCP
- ✓ **Linux Administration:** Ubuntu, CentOS and RHEL (System Configuration, Network Management, Shell Scripting)
- ✓ **Network Management:** CCNA Tools
- ✓ **Web Servers:** Nginx, Apache, API Server and HTTPD
- ✓ **Scripting Languages:** HCL, YAML, Go, Groovy, Python, Bash and Shell scripts.

Personal Details:

Education: Bachelor Degree From Pune University in 2023,

Date of Birth: 21 July 2003

Marriage Status: Unmarried

Languages: English, Hindi & Marathi

Hobbies: Open-Source Contributions, Learning New Technologies, Playing Chess.

Declaration:

I hereby confirm that the above information is true & correct to the best of my knowledge and belief.

Place:

Date:

Signature

Shantanu Vanarase