

Vinay Mittakola

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PROFESSIONAL SUMMARY

- 3.0 years of IT industry experience in configuration, build, release and deployment management.
- Linux: Experienced in managing RHEL-based systems, including user management, package updates, and network configuration.
- Shell Scripting: Automated recurring tasks such as backups, system monitoring, and installations, reducing manual efforts by 40%.
- Infrastructure as Code (IaC): Used Terraform modules, ensuring consistent infrastructure across all environments.
- Configuration Management: Streamlined deployment processes with Ansible playbooks and integrated them with Terraform workflows.
- CI/CD Pipelines: Built and maintained efficient pipelines using Jenkins, Git, and Helm, improving build and deployment speed by 30%.
- Containerization & Orchestration: Worked extensively with Docker and Kubernetes, including managing EKS upgrades with zero downtime.
- AWS Expertise: Proficient in key services like EC2, S3, RDS, EKS, and Route53, ensuring highly available and scalable architectures.
- Monitoring & Logging: Set up monitoring tools like ELK, Prometheus, and Grafana to ensure 99.9% application uptime.
- Automated cloud cost optimization using Python scripting integrated with AWS Lambda and Event Bridge, reducing non-business hours resource usage and saving up to 30% on development costs.
- Collaboration Skills: Proven ability to work as part of a team and effectively communicate with cross-functional teams for project success.

SKILLS

Operating Systems: **Linux, Windows**
Configuration Management: **Ansible**
Databases: **MySQL**
Build Tools: **Maven, NPM, pip**
Continuous Integration: **Jenkins CI CD**
Iac: **Terraform**
Artifactory: **Nexus**
Code Analysis: **SonarQube**
Version Control Tools: **Git (GitHub)**
Languages/Scripts: **Shell, Yaml, Python**
Cloud Platform: **AWS**
Containerization: **Docker**
Container Orchestration: **Kubernetes**
Monitoring Tools: **Prometheus, Grafana**

PROFESSIONAL EXPERIENCE

Accenture Solutions Pvt Ltd - Hyderabad, India

December 2021 – Present

Role: *Custom Software Engineering Analyst*

Project: Bank of America (BoFA) is one of the largest financial institutions in the United States. It offers integration with popular e-commerce platforms like Shopify, Magento, and WooCommerce, enabling businesses to seamlessly incorporate banking services into their online stores.

Responsibilities:

- Automated infrastructure provisioning using Terraform modules, ensuring environment consistency across dev, QA, and production.
- Established a Jenkins-based CI/CD pipeline, automating build, test, and deployment stages to achieve a 25% reduction in deployment time.
- Deployed applications leveraging YAML scripts, scaling operations efficiency, and reducing configuration mismatches by 35%.
- Integrated AWS Auto Scaling configurations to manage workloads, achieving a 40% cost reduction.
- Developed Ansible playbooks for seamless web server automation, optimizing operational workflows and decreasing manual intervention.
- Constructed and controlled Docker images for middleware installations and configurations, streamlining deployment processes and enhancing environment consistency.
- Improved container management by streamlining Docker image versioning, enhancing consistency across deployed environments.
- Conducted EKS upgrades with zero downtime, ensuring seamless scaling of containerized applications.
- Maintained Helm charts to simplify Kubernetes deployments and manage configurations effectively.
- Transitioned development teams from GitFlow to a feature-branching strategy, enabling agile and faster releases.
- Improved system performance and availability by implementing active monitoring with Prometheus and Grafana.
- Configured Prometheus to collect and store metrics from microservices running on Kubernetes.
- Analyzed Grafana dashboards to visualize key performance indicators and infrastructure health.
- Set up alert rules in Prometheus Alertmanager to ensure rapid response to performance degradations.

CERTIFICATIONS

- Accenture provided AWS Certified Cloud Practitioner.

EDUCATION

Bachelor of Technology (B.Tech)
Jawaharlal Nehru Technological University Hyderabad (JNTUHCEH)

July 2018 – August 2021