# Aditya Pawar *AWS DevOps Engineer*

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Zenda Chowk,Mahal,Nagpur

## Profile Summary

- **As a DevOps professional with over 3 years of extensive experience in implementing CI/CD pipelines using Git, reducing deployment times by 30% and enhancing system stability through performance testing and process improvement.**
- **Proficient in TCP/IP, networking, DNS, HTTP, HTML, JSON, JavaScript, and REST APIs, with a strong understanding of cloud technologies and integrations.**
- **Skilled in conducting research, analysis, and root cause identification for technical problems, contributing to product enhancements and improvements.**
- **Experienced in handling security-related concerns, including SSL, legal compliance, and data protection measures.**
- **Adept at collaborating with cross-functional teams, including development, product, and engineering, to ensure seamless product delivery and customer satisfaction.**
- **Strong analytical and problem-solving skills, with the ability to work independently and provide effective solutions in a fast-paced environment.**
- **Excellent communication and documentation skills, with the ability to convey technical information to both technical and non-technical audiences.**

## Professional Experience

**AWS DevOps Engineer** 2021/04 – present | Nagpur

*Tata Consultancy Services*

- **Streamlined build, deploy, test, and reporting processes by implementing Jenkins CI/CD pipelines using Git, resulting in a ~50% reduction in manual effort and a ~30% increase in team productivity.**
- **Architected and executed end-to-end CI/CD pipelines using Jenkins and GitLab, achieving a ~40% reduction in deployment time and a ~25% increase in overall release frequency.**
- **Led Disaster Recovery (DR) activities and performs DR testing and sanity on UAT also contributed to minimizing system downtime by ~45% during critical incidents, ensuring uninterrupted customer service through performance testing.**
- **Managed Git configuration, branching, merging, and push operations.**
- **Configured and managed Amazon Web Services (AWS) services like EC2, S3, EBS, RDS, VPC, IAM using Terraform and CloudFormation.**
- **Built EC2 servers on AWS, imported volumes, created Auto Scaling groups, Load Balancers, and Route 53 using Terraform.**
- **Containerized Java applications using Dockerfile best practices and integrated with different microservices using Docker.**
- **Structured Kubernetes manifests and Helm Charts for deployment of microservices into Kubernetes clusters.**
- **Implemented Kubernetes clusters on AWS with Route53 from scratch.**
- **Identified and resolved operational issues related to batch failures, network issues, and client data feed errors, ensuring minimal system downtime.**
- **Monitored server performance, memory utilization, CPU, file systems, databases, and batch jobs, ensuring optimal system health and uptime.**

- **Produced metric reports, including daily production status, for stakeholders.**
- **Reviewed client support tickets and requests under service SLAs, resolving level 2 and level 3 issues (application support, DBs, and data center related).**
- **Documented technical procedures, troubleshooting steps, and resolutions for future reference and knowledge sharing.**
- **Participated in Agile ceremonies, such as sprint planning, stand-ups, reviews, and retrospectives, contributing to continuous improvement and customer success.**
- **Utilized Unix, Linux, Windows, Tomcat, SSH, and basic scripting skills for system administration and automation tasks.**
- **Provided technical consulting and customer success services, ensuring continuous improvement and adherence to best practices across a variety of projects and clients.**
- **Conducted in-depth analysis and research to identify root causes of technical problems, contributing to product enhancements, optimization, and quality assurance efforts.**
- **Collaborated cross-functionally with development, product, engineering, and stakeholder teams to ensure seamless product delivery, customer engagement, and successful execution of business models.**
- **Utilized strong analytical, problem-solving, and communication skills to investigate and resolve technical issues independently, while maintaining effective communication with customers and stakeholders.**

## Skills

**Container Orchestration:** ●●●○○
Docker, Kubernetes

**Infrastructure as Code (IAC):** ●●●○○
CloudFormation

**Scripting and Programming:** ●●●●○
Shell, Bash

**CI/CD Tools:** ●●●○○
Jenkins

**Methodologies** ●●●○○
Agile, GitHub, CI/CD

**Cloud Platforms:** ●●●●○
AWS, Azure

**Version Control:** ●●●○○
Git/ Github

**Configuration Management:** ●●●○○
**Ansible**

**Consulting** ●●●●○
Customer Success, Best Practices, Continuous Improvement

**Communication** ●●●○○
Technical Documentation, Stakeholder Communication, Advocacy

## Projects

**Deployed a Two Tier Application**
- Successfully deployed a Two-Tier App using Flask and MySQL on AWS EKS managed service for Kubernetes
- Designed the system to be scalable for up to 10,000 concurrent users, ensuring optimal performance
- Implemented measures that reduced downtime by 80%, increasing overall system reliability
- Improved fault tolerance by 50%, ensuring seamless operation even in the event of failures
- Implemented Prometheus for event and alert monitoring, Loki for Logs collection and Grafana for Visualization

**Migration of Monolithic Application to Microservices**
- Successfully migrated a 3-Tier Monolithic Application to Microservices on Kubernetes.
- Implemented measures to automate the Continuous integration process.
- Automated the provision of cloud infrastructure for K8S Master node and configuration manager of K8S cluster nodes.
- Implemented Promtail-Loki for Logging and Grafana for Visualization.