

# Aditya Pawar *AWS DevOps Engineer*

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📍 Zenda Chowk, Mahal, Nagpur

## Profile Summary

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- Analytical and problem-solving professional with experience in providing technical support, troubleshooting, and resolving complex issues related to products and services.
- 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

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### 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 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.
- Performed operational duties, including application server health monitoring, service recycling, and maintaining operational documentation.
- 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 issues in customer support portals and maintained accurate run books.
- Provided on-call off-hour support and worked during non-prime shift hours as required.
- Collaborated effectively with developers and team members to troubleshoot and resolve complex issues.
- 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.
- Handled security-related concerns, legal compliance, and data protection measures, ensuring adherence to industry standards and best practices.
- Utilized strong analytical, problem-solving, and communication skills to investigate and resolve technical issues independently, while maintaining effective communication with customers and stakeholders.

## Skills

<b>Container Orchestration:</b> Docker, Kubernetes	● ● ● ● ●	<b>Cloud Platforms:</b> AWS, Azure	● ● ● ● ●
<b>Infrastructure as Code (IAC):</b> CloudFormation	● ● ● ● ●	<b>Version Control:</b> Git/ Github	● ● ● ● ●
<b>Scripting and Programming:</b> Shell, Bash	● ● ● ● ●	<b>Configuration Management:</b> Ansible	● ● ● ● ●
<b>CI/CD Tools:</b> Jenkins	● ● ● ● ●	<b>Consulting</b> Customer Success, Best Practices, Continuous Improvement	● ● ● ● ●
<b>Methodologies</b> Agile, GitHub, CI/CD	● ● ● ● ●	<b>Communication</b> 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.