

Shwetanshu Mehta

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SUMMARY

- **Lead DevOps Engineer** architecting and automating enterprise SaaS deployments on AWS, Azure, and GCP; excels at collaborating with stakeholders and clients to identify issues, enhance platform efficiency, and manage escalations.
 - **Expert in GitOps-driven CI/CD** (ArgoCD, Prow, Tekton), accelerating deployment efficiency by 40% and reducing operational costs by over 60% through strategic automation and infrastructure optimization.
 - **Skilled in integrating applications** with complex data ecosystems, including Databricks, Informatica Cloud, Tableau, and managing Airflow on Kubernetes to ensure robust data pipeline performance.
 - **Adept at establishing robust security frameworks** (SOC2, ISO27001, CIS Benchmarks) to ensure platform reliability, compliance, and performance from development through production.
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EXPERIENCE

Lead DevOps Engineer | Ollion (Formerly Cloudcover) | Pune, India | November 2020 - Present

- Collaborated with stakeholders and clients to identify issues, improve efficiency, and handle escalations and bug fixes, ensuring high levels of customer satisfaction.
- Spearheaded the migration of the Datapipes Enterprise SaaS deployment from a legacy CFT Nested Stack/Terraform to a modern GitOps model using **Crossplane, ArgoCD, and CFT**, increasing operational efficiency and reducing deployment times by 40%.
- Engineered **cost savings of over 60%** in internal environments by implementing **Karpenter with Spot Instances**, Pod Disruption Budgets (PDB), Horizontal Pod Autoscalers (HPA), and using Lambda to shut down resources during non-business hours.
- Automated security and compliance for **IM8, SOC2, ISO27001, and CIS Benchmarks** by integrating tools like AWS GuardDuty directly into the Infrastructure as Code (IaC) pipelines.
- Enhanced developer productivity by implementing **automated ArgoCD rollouts**, simplifying and securing the application deployment process.
- Managed and optimized CI/CD pipelines leveraging Prow, Atlantis, and Tekton CI, accelerating deployment cycles through advanced caching and Dockerfile optimizations.
- Championed customer success by enabling seamless onboarding and maximizing adoption of Codepipes, directly contributing to client satisfaction and product value.
- Supported development teams by integrating applications with data platforms like Databricks, Informatica Cloud, Tableau, Databrew, and AWS Sagemaker.
- Managed and troubleshooted Apache Airflow on Kubernetes and administered Tableau servers to ensure data pipeline reliability and performance.

Senior Associate Technology (DevOps) | Publicis Sapient | Noida, UP | May 2020 - October 2020

- Architected and implemented a scalable Azure infrastructure using IaC for efficient, repeatable deployments of Sitecore 9.3 on Virtual Machine Scale Sets (VMSS).
- Built and optimized CI/CD pipelines with Azure DevOps to automate the deployment of .NET Core and Node.js applications, significantly streamlining release cycles for faster production rollouts.
- Led performance tuning initiatives and developed auto-scaling strategies, reducing site load times and enhancing system reliability through robust monitoring with Azure Monitor and Application Insights.

Deputy Manager | HCL Technologies Ltd. | Noida, UP | October 2019 - November 2019

- Introduced a "1 Click Build" mechanism using Terraform for AWS and Azure, reducing infrastructure provisioning time by 70%.
- Devised and implemented an Automated Disaster Recovery Plan for a global print infrastructure covering 12,000+ queues, resulting in over \$2 million in annual savings from reduced downtime.
- Engineered and maintained end-to-end CI/CD processes using Jenkins, Ansible, SonarQube, and Maven for automated builds and quality checks.
- Managed GitHub Enterprise repositories, branches, and user permissions while ensuring high availability and performance tuning for 24/7 production environments.

EDUCATION

B. Tech. (ECE) | Jaypee Institute of Information Technology

Noida, UP | 2014

CERTIFICATIONS

Certified Kubernetes Administrator | CNCF | 2020

Azure Devops Expert | Microsoft | 2021

Certified Kubernetes Security Specialist | CNCF | 2021

SKILLS

- **Cloud Platforms:** AWS, Azure, GCP
 - **Infrastructure as Code:** Terraform, Crossplane, CloudFormation, Ansible
 - **CI/CD & GitOps:** Jenkins, Azure DevOps, ArgoCD, Prow, Tekton, Google CloudBuild, AWS Cloud Deploy
 - **Containerization & Orchestration:** Kubernetes, Docker, Helm, Karpenter
 - **Monitoring & Logging:** Prometheus, Grafana, AWS CloudWatch, Container Insights, FluentBit, Azure Monitor
 - **Scripting & Languages:** GoLang, Python, Shell, PowerShell, Groovy
 - **Source Control & Build:** GitHub, Bitbucket, Maven, Makefiles
 - **Security & Compliance:** AWS GuardDuty, CIS Benchmarks
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