Vidit Pawar

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SUMMARY

Cloud and Infrastructure Engineer with 5+ years designing and operating multi-cloud platforms across payments, healthcare, and data infrastructure. Blends software engineering depth in Python and FastAPI backends with production expertise in Terraform, Kubernetes, and CI/CD on AWS and Azure. Track record of accelerating infrastructure provisioning, improving production reliability through observability, and securing HIPAA- and PCI DSS-regulated workloads.

PROFESSIONAL EXPERIENCE

Databricks | *Software Engineer, Infrastructure* *Aug 2025 – Present*

- Architected reusable **Terraform** modules with remote state and policy-as-code (Sentinel) to provision Amazon EKS infrastructure underlying serverless compute, cutting new-region rollout from **three weeks to under two days.**
- Engineered a **Python and FastAPI** self-service API with an internal CLI that let 40+ platform teams provision isolated environments without tickets, removing roughly 600 manual provisioning requests each quarter.
- Deployed control-plane services on **Kubernetes** with **Helm** and **Argo CD GitOps**, adding horizontal autoscaling with multi-AZ failover that held **99.95% availability** under peak query load.
- Implemented distributed tracing and SLO-based alerting using **Datadog**, improving production incident investigation and reducing mean time to resolution (MTTR) from **90 minutes to under 25 minutes**.
- Partnered with the security team on IAM least-privilege roles, wiring **Checkov** and **Trivy** scans into GitHub Actions to block misconfigured resources before merge across **120+** repositories.

LTIMindtree | *Cloud Engineer* *Jul 2022 – May 2024*

- Delivered an **AWS landing zone** with segmented VPCs, KMS-encrypted PHI storage, and private subnets, supporting HIPAA security requirements and passing an external audit with **zero critical findings**.
- Migrated legacy claims-processing workloads to **Amazon EKS** using Terraform-managed infrastructure, reducing monthly AWS costs by **$18K** through compute right-sizing and Spot-backed worker node groups.
- Built Python-based ETL pipelines orchestrated with **Apache Airflow** to transfer data from Amazon RDS PostgreSQL to BigQuery, reducing analytics reporting latency from **4 hours to 6 minutes**.
- Integrated **tfsec** and **Terrascan** security policy checks into GitHub Actions CI/CD pipelines and automated credential rotation using AWS Secrets Manager, strengthening infrastructure security and compliance controls.
- Configured **Prometheus**-based monitoring and built **Grafana dashboards** across 12 microservices, enabling proactive incident detection that cut mean time-to-detect from **45 minutes to under 8 minutes**.

Infinite Infolab | *Cloud Support Engineer* *Dec 2020 – Jun 2022*

- Resolved production incidents across **Azure AKS** payment services as on-call engineer, restoring PCI DSS-scoped workloads within a **15-minute SLA** while documenting root-cause analyses for recurring faults.
- Containerized and deployed 6 backend services using **Docker and Amazon EC2** behind Application Load Balancers, improving deployment reliability and reducing rollback incidents by **70%**.
- Scripted Python-based **AWS Lambda** workflows with **Bash** runbooks for resource provisioning, backup operations, and infrastructure health checks, reducing repetitive support tickets from **40 to 15 per week**.

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, EKS, IAM, S3, Lambda, CloudWatch, ALB), Azure (AKS, Key Vault, Azure Monitor)
Infrastructure as Code & Configuration: Terraform, Ansible, Pulumi, Azure Bicep, AWS CloudFormation
CI/CD, GitOps & Containers: GitHub Actions, Azure DevOps, Jenkins, Docker, Kubernetes, Helm, Argo CD, Git
Programming & Backend: Python (FastAPI, Flask, Boto3), Go, Bash, PowerShell, REST APIs, CLI Automation
Databases & Data Engineering: PostgreSQL, Amazon RDS, DynamoDB, Apache Airflow, BigQuery
Observability & Reliability: Datadog, Prometheus, Grafana, SLOs, Incident Response, Root Cause Analysis
Security & Compliance: Checkov, Trivy, tfsec, Terrascan, IAM Least Privilege, HIPAA Security Controls, PCI DSS

CERTIFICATIONS

HashiCorp Certified: Terraform Associate (2026) | Azure Administrator Associate (AZ-104) | Azure Fundamentals (AZ-900)

EDUCATION

University of Arizona *Aug 2024 – Dec 2025*
Master of Science, Management Information Systems

University of Mumbai *Jul 2018 – Jun 2022*
Bachelor of Engineering, Electronics & Telecommunication