

PALLAV DEBNATH

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PROFLIE SUMMARY

Cloud Infrastructure Engineer with 3+ years of experience designing, automating, and managing scalable Microsoft Azure environments using Infrastructure as Code. Delivered a 93% reduction in manual provisioning by implementing Terraform and DevOps pipelines, increased compliance by 30% through policy enforcement and governance automation, and reduced cloud operational costs by 15% using usage optimization techniques and monitoring tools such as KQL and Azure Monitor. Reported AKS-based deployments, disaster recovery execution, and integrating security and compliance across large-scale cloud ecosystems.

EXPERIENCE

Cloud Engineer State Street, Bangalore, India Jul 2022 – Present	<ul style="list-style-type: none">Built and managed Azure infrastructure supporting over 1 million resources, enforcing 100+ Azure Policies and generating compliance dashboards that increased audit readiness by 30%.Reduced manual provisioning time by 93% through IaC automation for 10+ landing zones using Terraform modules and Azure DevOps pipelines.Resolved over 1,000 deployment and networking incidents by leveraging Azure Monitor, KQL queries, and ServiceNow ticketing, sustaining 99.9% system availability.Decreased policy exemption turnaround from 4 days to under 8 hours by developing streamlined ServiceNow workflows and pipeline triggers.Architected cloud infrastructure and integrated SIEM tools with Azure Kubernetes Service (AKS), resulting in 40% faster threat detection and incident response, measured by improved mean time to resolution.Analyzed over 500 resource groups with Azure Resource Graph Explorer, eliminating underutilized services and cutting monthly cloud spend by 15%.Facilitated 4+ Disaster Recovery (DR) events annually by executing simulations, validating RTO/RPO targets, and updating 10+ technical runbooks.Authored and maintained 25+ internal documents, including architecture blueprints and deployment guides used for cross-team onboarding.Improved provisioning accuracy by 98% by standardizing infrastructure modules and implementing automated validation checks within pipelines.Collaborated with 6+ cross-functional teams to align cloud infrastructure design with regulatory, security, and audit controls.
Platform Engineer Intern State Street, Bangalore, India Jan 2022 – Jun 2022	<ul style="list-style-type: none">Migrated 20+ enterprise workloads from on-premises to Azure, improving resource scalability and reducing hardware dependency by 60%.Orchestrated access provisioning scripts using PowerShell, cutting onboarding time from 2 hours to less than 30 minutes for 100+ users.Refined deployment workflows for multiple internal tools, reducing service downtime during releases by 35%.Influenced infrastructure readiness checks for 10+ Azure services, identifying configuration mismatches and reducing provisioning errors by 40%.Coordinated with 3+ product teams to ensure seamless Azure integration during application migration.

SKILLS

- Cloud Platforms & Infrastructure:** Microsoft Azure (IaaS, PaaS), Azure Kubernetes Service (AKS), Azure Resource Graph Explorer, Azure Active Directory, Azure Virtual Network, Azure Storage Accounts, Azure SIEM Integration, Azure Landing Zones
- Infrastructure as Code (IaC) & Automation:** Terraform, ARM Templates, Azure CLI, YAML, PowerShell, Bash, Infrastructure Provisioning, Configuration Automation, Policy Enforcement, ARM Policies, Tagging Automation
- DevOps & CI/CD:** Azure DevOps Pipelines, Git, Release Pipelines, ServiceNow Integration, Workflow Automation, Build & Deployment Automation, Version Control, Pipeline Triggering, Approval Gates
- Monitoring, Security & Compliance:** Azure Monitor, Log Analytics Workspace, Azure Policies, Azure RBAC, Real-Time Alerting, Compliance Dashboards, SIEM Tools, Threat Detection, Resource Optimization, Audit Readiness
- Scripting & Querying Languages:** PowerShell, Python, Bash, Kusto Query Language (KQL), Shell Scripting, Automated Access Provisioning, Query Optimization
- IT Operations & Disaster Recovery:** Incident Management, Change Management (ServiceNow), RTO/RPO Compliance, DR Drill Execution, Runbook Management, Business Continuity Planning
- Low-Code Development & Productivity Tools:** Power Automate, PowerApps, Knowledge Base Documentation, Internal Process Guides
- Operating Systems & Environments:** Linux (Ubuntu/CentOS), Command-Line Environments, Containerized Workloads

EDUCATION

Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha	Bachelor of Technology – CGPA: 9.0/10 Graduated: Jun 2022
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PROJECTS

State Street, Bangalore, India	<ul style="list-style-type: none">Designed a systematized exemption workflow using Azure DevOps and ServiceNow APIs, reducing manual intervention from 3 hours to 15 minutes and improving SLA adherence by 90%.Built a scalable ETL pipeline on Databricks that processed 5 M+ rows daily with enabled triggers and error handling; the project ranked among the Top 20 in State Street's internal hackathon out of 200+ entries.Developed tagging enforcement scripts covering 500+ resources to improve metadata accuracy and support cost center-based reporting.Consolidated monitoring metrics across multiple subscriptions into centralized dashboards, improving executive visibility and incident response time by 25%.
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CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals (AZ-900)**
- Oracle Cloud Infrastructure 2023 Certified Foundations Associate**
- HashiCorp Certified: Terraform Associate (003)**