

Arnav Ranjan, Cloud/DevOps Engineer Az-104 | Az-400 | Terraform 003

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SUMMARY

Dynamic Cloud/DevOps Engineer with 3.7+ years of experience leading multi-cloud environments. Proficient in Azure and AWS infrastructures, automating solutions through Terraform and PowerShell, and enhancing pipeline effectiveness via YAML workflows. Achievements include saving over 40 engineer hours through automation and reducing attack surfaces by 95% with advanced security measures. Committed to delivering innovative solutions that optimize cost and performance, ensuring seamless operational excellence.

WORK EXPERIENCE

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| 07/2025 – Present | DevOps Engineer II – Infra Lead for Multi-Cloud (Azure+AWS), Synoptek | Remote |
| | <ul style="list-style-type: none">• Developed comprehensive Grafana dashboards integrated with Prometheus for proactive monitoring and real-time alerts.• Trained stakeholders in advanced KQL and PromQL alerting techniques, and automated solutions using PowerShell scripting.• Managed large-scale multi-cloud infrastructures with over 70+ microservices utilizing Terraform, Bicep, and Azure DevOps.• Led Azure-to-AWS migrations for over 12 services, including AKS cluster deployment, ACR integration, and Azure DevOps pipeline implementation.• Optimized ECS Fargate clusters with ALBs, and configured all DNS records in Route53.• Implemented Redis caches and configured EFS volumes to support ECS startup requirements; established cloud cost optimization strategies via CloudWatch and automated Azure policy enforcement.• Automated Terraform modules using Python, resulting in over 40 engineer hours saved, including snapshot retention strategies and cross-cloud disaster recovery with an RTO of under 15 minutes.• Collaborated with stakeholders and customer teams to resolve critical infrastructure issues within AKS environments, ensuring rapid root cause analysis and minimizing service interruptions; reduced attack surfaces by 95% through RBAC, NSGs, and Azure policy implementation to restrict public access.• Played a key role in Azure MSP audit and compliance documentation; migrated legacy Azure DevOps pipelines to YAML-based workflows, improving clarity and scalability.• Integrated SonarQube for static code analysis, ensuring compliance with stringent code quality standards; managed version control and lifecycle optimization for Docker images. | |

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| 08/2023 – 07/2025 | Cloud Engineer I, Synoptek | Remote |
| | <ul style="list-style-type: none"> • Led the transition from Terraform to Azure Bicep by creating reusable modules and optimizing pipelines. • Designed and implemented complete Azure infrastructure solutions, including AKS, VNets, Functions, CDN, and ALBs across various environments. • Quickly resolved critical (P1/P2) incidents through in-depth analysis of logs and metrics. • Improved pipeline stability by implementing validation gates and thorough documentation. Deployed biometric platforms utilizing AWS ECS Fargate, Lambda, EFS, and GitHub Actions. Implemented Azure Relay solutions to securely protect internal endpoints from external threats. • Collaborated with application and security teams to ensure compliant external communications. Integrated code linting tools to enforce Infrastructure as Code (IaC) best practices. • Provided guidance to teams on YAML-based pipelines and promoted the adoption of automated workflows. | |
| 08/2022 – 07/2023 | Systems Engineer I, Synoptek | Remote |
| | <ul style="list-style-type: none"> • Maintained adherence to service level agreements (SLAs), security benchmarks, and cost governance frameworks. • Deployed secure API exposure strategies leveraging Azure Relay and Azure API Management. Developed detailed infrastructure documentation to optimize operational workflows. • Delivered operational support for networking infrastructure, including VPN gateways and virtual networks. Supported Azure MSP audits, verifying resource configurations to meet Microsoft compliance standards. • Resolved critical support tickets, decreasing response times and increasing customer satisfaction. | |
| 01/2022 – 07/2022 | Associate Cloud Engineer, Synoptek | Remote |
| | <ul style="list-style-type: none"> • Supported cloud cost optimization initiatives and improved resource management strategies. • Ensured SLA compliance through efficient ticket triage and proactive issue resolution. Gained practical experience with real-world billing analysis and resource allocation tools. Created and maintained thorough infrastructure documentation, improving team efficiency. • Worked with senior engineers to resolve infrastructure and application issues, greatly enhancing system stability. Participated in process improvement projects, increasing operational productivity. | |

EDUCATION

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| 2018 – 2022 | University of Petroleum and Energy Studies | Dehradun, India |
| | B.Tech, Computer Science (DevOps Specialisation) | |
| | <ul style="list-style-type: none"> • Key Coursework: DevOps Practices, Agile Methodologies, CI/CD Tools (Jenkins, Git, Docker, Maven) | |

SKILLS

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|--------------------------|---------------------|
| Azure | AWS |
| AKS | Terraform |
| Bicep | Kubernetes |
| Azure DevOps Pipelines | GitHub Actions |
| Grafana | Prometheus |
| CloudWatch | KQL |
| PromQL | RBAC |
| NSGs | CIS Benchmarks |
| Azure Policies | PowerShell |
| Bash | EFS |
| Redis | Docker |
| Maven | ECS Fargate |
| automation | incident management |
| dashboard creation | Cloud Security |
| Serverless Architectures | Microservices |
| Databases | Ubuntu |
| Cent OS | Communication |
| Problem-solving | Agile/Scrum |
| ALB | CDN |
| Route53 | Collaboration |

LANGUAGES

English (Native)
