

Pavan Kalyan Pachuru

DevOps Engineer

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PROFESSIONAL SUMMARY

DevOps Engineer with 4+ years of experience automating Azure and GCP infrastructure, CI/CD pipelines, and cloud governance. Specialized in Terraform, GitHub Actions, and zero-touch testing frameworks that improve reliability and reduce manual effort. Proven ability to scale DevOps practices across enterprise environments.

TECHNICAL SKILLS

CI/CD: Azure DevOps, GitHub Actions

Cloud Platforms: Microsoft Azure, Google Cloud Platform (GCP)

Source Control & Governance: Git, GitHub, Azure Repos

Containerization: Docker

Configuration Management: Ansible

Artifact Management: Azure DevOps Artifacts, JFrog

Infrastructure as Code: Terraform, YAML

Scripting & Automation: PowerShell, Python, Shell Scripting

Security & Compliance: Checkmarx, Mend WhiteSource

Testing & Monitoring: Pester, Selenium, Elastic Kibana

PROFESSIONAL EXPERIENCE

Tata Consultancy Services (TCS) — DevOps Engineer

May 2025 - Present

Client: EY

Environment: Azure, Terraform, Azure DevOps, GitHub, GitHub Actions, PowerShell, Windows.

Key Contributions:

- Designed and automated application deployment workflows using Azure DevOps and GitHub Actions, reducing manual deployment effort by 90% and improving deployment reliability.
- Integrated security scanning tools (**Checkmarx, Mend WhiteSource**) into pipelines, enforcing secure coding practices and preventing vulnerabilities from reaching production.
- Migrated 7 Azure DevOps project repositories to GitHub** with zero downtime using an automated script to generate pre-migration checklists (Excel) and perform batch-wise migrations, ensuring seamless developer onboarding.
- Built reusable pipeline templates enabling standardized deployments across multiple teams and applications.
- Administered Azure DevOps and GitHub organizations, managing access control, repository policies, and pipeline governance.
- Troubleshooted and resolved GitHub Actions workflow failures, improving automation reliability and execution success rates.
- Configured Elastic Kibana monitoring to track application availability at scheduled intervals and proactively detect issues.

Accenture — DevOps Engineer

Aug 2021 – May 2025

Client: Nestlé

Environment: Azure, GCP, Terraform, Azure DevOps, GitHub Actions, PowerShell, Python, Shell, Linux, and Windows Server

Key Contributions:

- Automated provisioning of Azure infrastructure using Terraform, PowerShell, and YAML, eliminating manual provisioning by 85% and improving deployment accuracy by over 90%.
- Designed and implemented CI/CD pipelines for Azure IaaS and PaaS services, enabling scalable and repeatable deployments.
- Developed reusable pipeline templates and scripts for Azure DevOps and GitHub Actions, standardizing workflows across teams.
- Built a zero-touch smoke testing framework using GitHub Actions, Pester, and Selenium to:
 - Validate automation outputs on a scheduled basis
 - Automatically create ServiceNow tickets
 - Log bugs in Azure DevOps on test failures
- Developed GitHub Actions automation using **Python** to manage **GCP BigQuery dataset permissions** (Reader, Metadata Viewer) and update corresponding **ServiceNow tickets**, improving access governance and compliance.
- Built and maintained multi-cloud workflows supporting both Azure and GCP environments.
- Streamlined Terraform module usage by mirroring GitHub-hosted modules into Azure DevOps Repos, improving reuse and pipeline compatibility.
- Resolved **GitHub issues** and workflow failures, enhancing repository stability and developer experience.

EDUCATION

Bachelor of Technology | Jagan's College of Engineering & Technology | Jawaharlal Nehru Technological University — October 2020

CERTIFICATIONS & AWARDS

- Microsoft Certified:** Azure Administrator Associate (AZ-104)
- Site Reliability Engineering (SRE) Training
- ACE Award** at Accenture Q1 FY25
- Received **Star of the Month** Award at TCS in Dec 2025