Pavan Kalyan Pachuru
DevOps Engineer

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SUMMARY

I am a focused DevOps Engineer with over four years of practical experience in automating and optimizing cloud infrastructure. My expertise lies in CI/CD pipelines, Terraform, and automated testing frameworks. I excel in enhancing operational efficiency and delivering reliable software solutions through innovative DevOps practices. I thrive in collaborative environments and continuously seek to streamline processes.

CAREER SUMMARY

- Automated Azure and GCP infrastructure provisioning using **Terraform, PowerShell, and YAML**.
- Designed and implemented **CI/CD pipelines** using **Azure DevOps and GitHub Actions**, standardizing build and release processes.
- Developed reusable **pipeline templates, scripts, and PowerShell modules** to improve deployment consistency.
- Built **automated testing frameworks** using **Pester and Selenium**, improving reliability and reducing manual effort.
- Managed **Git, Azure Repos, and GitHub**, including branching strategies, repository governance, and access control.
- Administered **Azure DevOps and GitHub organizations**, enforcing pipeline policies and workflow optimization.

Technical Skills

Azure DevOps, GitHub Actions, CI/CD Pipelines, Git, Azure Repos, Terraform, Infrastructure as Code (IaC), PowerShell, Python, Shell Scripting, Microsoft Azure, Google Cloud Platform (GCP), Ansible, Docker, Azure Active Directory (Azure AD), Azure Storage, Key Vault, Azure Functions, Azure Web Apps, ServiceNow Integration, Selenium, Pester, Checkmarx, Mend (WhiteSource), Elastic Kibana, Monitoring, Automation, Security Scanning, Problem solving skills.

Experience

Tata Consultancy Services (TCS) — *DevOps Engineer*

May 2025 - Present

Client: EY

Environment: Azure, Terraform, Azure DevOps, GitHub, GitHub Actions, PowerShell, Windows. **Key Responsibilities:**

- Designed and automated **CI/CD pipelines** for application deployments using **Azure DevOps**, improving release consistency.
- Integrated **security scanning tools (Checkmarx, Mend WhiteSource)** into pipelines to enforce secure coding practices.
- Migrated **7+ Azure DevOps repositories to GitHub** with **zero migration issues**, ensuring seamless developer onboarding.
- Administered **Azure DevOps and GitHub**, managing access control, repository policies, and pipeline governance.
- Built **reusable pipeline templates**, enabling standardized deployments across multiple teams.
- Guided development teams on **GitHub best practices**, improving DevOps adoption and workflow efficiency.
- Troubleshot GitHub Actions workflow failures to maintain reliable automation.
- Configured **Elastic Kibana monitoring** to track application availability on scheduled intervals.

Accenture — *DevOps Engineer*
Aug 2021 – May 2025

Client: Nestle

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

Key Responsibilities:

- Automated provisioning of **Azure infrastructure** services using Terraform, PowerShell, and YAML, seamlessly integrated with ServiceNow for parameterized automations.

- Designed and implemented **CI/CD pipelines** for **Azure IaaS and PaaS services**, optimizing deployment processes and ensuring scalability.

- Developed reusable templates and scripts for **Azure DevOps** pipelines and **GitHub Actions**, standardizing workflows across teams.

- Built a zero-touch **smoke testing framework** using **GitHub Actions**, Pester, and Selenium to automatically create ServiceNow tickets on schedule, validate automation outputs, and log bugs in **Azure DevOps** on failures.

- Built GitHub workflows for multi-cloud service management, supporting both **Azure and GCP environments**.

- Developed a **GitHub Actions-based** automation using **Python** to grant BigQuery dataset permissions (e.g., Reader, Metadata Viewer) in **GCP** and update corresponding ServiceNow tickets, streamlining access management and governance compliance.

- Supported and maintained workflows for IaaS and PaaS deployments, adhering to security and organizational standards.

- Worked on resolving **GitHub issues** to streamline repository and workflow management.

- Streamlined the use of **Terraform modules** in Azure DevOps pipelines by mirroring modules hosted in GitHub to Azure DevOps Repos.

🎓 Education

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

🏆 Awards

- ACE Award - Accenture Q1 FY25
- Received Star of the month Award at TCS on Dec 2025

✹ Certifications

- **Microsoft Certified:** Azure Administrator Associate (AZ-104)
- Site Reliability Engineering (SRE) Training