

Pruthvi Patel

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SUMMARY

Results-driven DevOps Engineer skilled in automation, cloud infrastructure, and CI/CD. Experienced in Azure, Kubernetes, Terraform, and PowerShell, with a focus on efficiency, compliance, and team mentoring.

EXPERIENCE

DevOps Engineer

Government of Ontario

January 2025 – Present, Toronto, ON

- Troubleshoot 50+ Azure Virtual Machines (VMs) with Snow Agent issues across PROD, UAT, and IST environments, ensuring stability and uptime.
- Authored detailed troubleshooting guides on Snow Agent and patching failures, training the team on incident remediation and best practices.
- Resolved critical patching failures on 50+ Azure PROD VMs, maintaining compliance and minimizing downtime.
- Mentored co-op students on Azure DevOps, automation, and incident resolution, fostering technical growth and team efficiency.
- Developed and documented PowerShell automation scripts that reduced manual effort and improved operational efficiency.
- Remediated 40+ Windows VMs and EC2 instances affected by Microsoft WinVerifyTrust Signature Validation vulnerability on Azure and AWS.

Automation Developer Co-op

Government of Ontario

September 2024 – December 2024, Toronto, ON

- Developed PowerShell scripts to automate identification of Traffic Managers in PROD and classification of Virtual Machines (VDI/non-VDI).
- Implemented TLS 1.2 security upgrade across 2,400+ storage accounts, eliminating vulnerabilities and enhancing compliance.
- Resolved break/fix tickets in the DEV and IST environments, improving system uptime and reliability.
- Addressed WireShark security vulnerabilities on Azure Virtual Machines by working with clients to implement fixes.
- Supported FinOps by deallocating unused VMs, resulting in cost savings.
- Managed VM inventory and Snow Agent project troubleshooting, ensuring accuracy in reporting and infrastructure management.

Database Administrator Co-op

Government of Ontario

May 2024 – September 2024, Toronto, ON

- Improved backup success rates and supported SQL Server upgrades, patching, and operational reliability.
- Gained hands-on experience with Oracle Golden Gate, Data Guard, RAC, ASM, and resource optimization initiatives.

PROJECT

CI/CD for Node.js App | Docker, Azure DevOps, Azure App

github.com/pvp-45/MetropolitanMusuemOfArtCollections

- Built a CI/CD pipeline using Azure DevOps to automate Dockerized Node.js app deployment to Azure App Services.
- Implemented Infrastructure as Code (IaC) with YAML and Docker; set up a custom Azure agent to improve pipeline performance.
- Secured resources using Managed Identity, and enabled monitoring through Azure Monitor.

Terraform AWS Web Server Setup | AWS, Terraform

github.com/pvp-45/Terraform-AWS-Setup

- Automated deployment of an Apache web server using Terraform, demonstrating Infrastructure-as-Code (IaC) principles.
- Provisioned VPC, subnets, EC2 instance, and networking for secure, scalable cloud infrastructure.
- Highlighted ability to build reusable Terraform scripts for AWS infrastructure.

Kubernetes Web App Deployment | Kubernetes, Minikube, MongoDB, YAML

github.com/pvp-45/k8s-mongo-deployment

- Deployed a containerized web app with MongoDB using Minikube.
- Designed manifests for ConfigMaps, Secrets, Deployments, and Services to ensure secure communication.
- Applied SRE practices to manage resources and enhance cluster reliability.

SKILLS

- **Programming Languages & Technologies:** Python, C, C++, Java, JavaScript, Bash, PowerShell, Unix/Linux
- **Cloud & DevOps:** Docker, CI/CD Pipelines
- **Azure:** DevOps, App Services, Logic Apps, Monitor, CLI
- **Automation:** Ansible, Terraform, YAML, GitHub Actions
- **Web Development & Frameworks:** Node.js, Express.js, React, Next.js, Bootstrap

- **Database:** MSSQL, Oracle SQL, PostgreSQL, MongoDB
- **Version Control:** Git, GitHub, Azure DevOps Repo
- **Collaborative Tools:** MS Office365, Power BI, Azure DevOps Board, ITIL Practices, JIRA, SharePoint

EDUCATION

Advanced Diploma in Computer Programming and Analysis

Seneca Polytechnic · Toronto, ON · 2025 · 3.9 GPA

- 3 President's Honor List Awards for 4/4 GPA
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