Patrick A. Jain-Taylor

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Manager, DevOps Engineering

Strategic and results-driven DevOps leader with a record of enhancing enterprise cloud security, scalability, and operational efficiency. Proven expertise in architecting large-scale AWS environments, implementing Zero-Trust network models, and cultivating high-performing engineering teams. Adept at driving standardization and adopting Agile & DevOps best practices to accelerate business value delivery.

Contact me

Experience

Lyra Health

Manager, DevOps • Aug. 2024 — Present

- Cultivated a high-performing DevOps team, achieving **100% team retention** over a 2-year period and successfully delivering on **10+ major corporate initiatives** ahead of schedule. Mentorship and career development efforts directly contributed to **2 of 3** engineers receiving promotions to Senior Engineer.
- Spearheaded the ground-up redesign of the DevOps Agile framework to address team bottlenecks and improve workflow. This new process increased team throughput by over **400%**, growing the delivery rate from an average of **10 issues/month to 53 issues/month**. The overhaul also stabilized Work-In-Progress

(WIP) and significantly reduced average ticket cycle time, boosting delivery predictability and overall team efficiency.

- Championed a culture of knowledge sharing and technical excellence by establishing a DevOps 'Show & Tell' forum and dedicated office hours, increasing team engagement and accelerating skills development across junior and senior engineers.

Lead, DevOps Engineer • Jul. 2023 — Jul. 2024

- Architected and implemented AWS Control Tower and Account Factory for Terraform (`AFT`), reducing new AWS account provisioning and baselining time from **2 days to under 30 minutes**—a **>95%** improvement. This automation guaranteed **100%** compliance with foundational security controls (`FedRAMP`, `ISO 27001`, `NIST SP 800-53`) and reclaimed an estimated **200 engineering hours** annually.
- Optimized the global cloud network fabric using `AWS Transit Gateway`, replacing over **20** `VPC` peering connections. This new architecture centralized & simplified our overall network footprint, reduced network management overhead by an estimated **10 hours per quarter**, and saved our technology organization **$140k** in annual costs.

Senior DevOps Engineer • Jul. 2022 — Jun. 2023

- Directed the enterprise-wide migration to a modern Zero-Trust Network Access (`ZTNA`) solution (SonicWall Cloud Secure Edge, formerly Banyan), enhancing security posture and user experience for **3,000+ users** accessing **1,000+ internal services** with zero downtime.
- Engineered and fully automated the cloud infrastructure supporting critical phishing simulations. This automation reduced campaign setup time by **90%** and enabled a training program that increased phishing email reports to **24%** and reduced our Phish-Prone Percentage (PPP) to **9%**, measurably hardening the company's human firewall.

Eaton Vance Management, a Morgan Stanley company

Cloud Architect, Core Services • Jan. 2019 — Jun. 2022

Led an 11-person cloud engineering team responsible for architecting and building the company's foundational `AWS` platform, automation strategy, and self-service tooling.

- Architected the company's foundational `AWS Landing Zone` and a `Terraform`-based "Account Vending Machine," which automated the compliant provisioning of **60+ AWS accounts** and **reduced new environment setup time from multiple days to under one hour**.

- Pioneered a developer self-service model by creating and curating a `Terraform` service catalog of **150+ reusable modules**. A key module for automating TLS certificates via `ACM` and `Route 53` **saved over $1,000 and 2 weeks of manual effort per certificate**.
- Engineered a secure, multi-region core network fabric and designed the company's multi-environment `Snowflake` data platform to enable secure data sharing and advanced analytics.

Network Automation Engineer • Oct. 2017 — Jan. 2019

Modernized traditional network operations across 20 datacenters by introducing `Python` and `Ansible` automation to improve efficiency and reduce human error.

- Pioneered the use of `Ansible` and `Python` to automate network device configuration, validation, and routine changes. This initiative **reduced configuration errors by over 90%** and became the standard for the infrastructure team, saving hundreds of engineering hours annually.
- Led multiple high-impact projects, including the architectural design for new remote offices, the **technical integration of several acquisition networks**, and the **standardization of network hardware** to improve security and reduce operational overhead.

SS&C Technologies

Network Engineer • Oct. 2013 — Oct. 2017

Progressed from network administration to a **lead engineering role** with **full ownership** of the design, deployment, and operations for a corporate network spanning **80+ branch offices** and datacenters.

Columbia University

CU Information Technology (CUIT) • Sept. 2012 — May. 2014

General Dynamics

Intern • May. 2013 — Aug. 2013

Providence College

PC Information Technology (PCIT) & Ghana Sustainable Aid Project (GSAP) • Sept. 2010 — Aug. 2012

Technologies

Amazon Web Services

Auto Scaling, Backup, Certificate Manager, CloudFormation, CloudFront, CloudWatch Logs, Config, Control Tower, Direct Connect, DynamoDB, EBS, ECR, ECS, EKS, ELB, EventBridge, IAM, Kinesis Data Streams & Firehose, KMS, Lambda, PrivateLink, RDS, Route 53, Route 53 Resolver, S3, Security Groups, Secrets Manager, SNS, SQS, Step Functions, Transit Gateway, VPC, WAF

Third-Party Cloud Services

Artifactory, Bridgecrew, CloudHealth, Datadog, Nexus, Opal, Prisma, Snowflake, Sonatype, Splunk, Sumo Logic, Wiz

Infrastructure as Code & Configuration Management

Terraform, CloudFormation, Ansible, Chef

Containerization & Orchestration

Docker, Kubernetes

Continuous Integration & Continuous Delivery

Github Actions, GitLab Runner, Jenkins

Programming Languages

Python, Bash/ZSH

Agile Technologies

Atlassian Jira & Confluence

Networking

Cisco, Juniper, Aruba, Palo Alto Networks, Netskope, Banyan

Certification

Terraform Associate

Hashicorp • 2020

AWS Certified Solutions Architect – Associate

Amazon Web Services • 2019

Programming with Python

Codecademy • 2018

CCNA Routing & Switching

Cisco • 2015

Education

Columbia University

Bachelor of Science, Electrical Engineering • 2012 — 2014

Providence College

Bachelor of Arts, Pre-Engineering • 2009 — 2012