



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/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

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

General Dynamics

Intern • May. 2013 — Aug. 2013

Providence College

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

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

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

Associations

Hack.Diversity

Mentor • 2021 — 2024

Hack Diversity is a talent provider of Black & Latinx technologists, supporting underrepresented talent with a yearly fellowship and incubator program. I serve in a mentor role to Hack fellows, and provide education in cloud technologies.