



# Patrick A. Jain-Taylor

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## Manager, DevOps Engineering

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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

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## Experience

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### 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 organization **\$140k** in annual data transfer 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**

Subject matter expert on all things cloud, leading efforts in architecting, engineering, and operating in AWS.

### **Network Automation Engineer • Oct. 2017 — Jan. 2019**

Focused on automating traditional enterprise networking infrastructure with Python scripting and Ansible playbooking.

## **SS&C Technologies**

**Network Engineer • Oct. 2013 — Oct. 2017**

Graduated from part-time site-to-site VPN & firewall administration to full-time design & deployment of resilient networks, serving as primary point-of-contact for 80+ branch office 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**

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## **Certification**

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### **Terraform Associate**

**Hashicorp • 2020**

### **AWS Certified Solutions Architect – Associate**

**Amazon Web Services • 2019**

### **Programming with Python**

**Codecademy • 2018**

### **CCNA Routing & Switching**

**Cisco • 2015**

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## **Education**

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# **Columbia University**

**Bachelor of Science, Electrical Engineering • 2012 — 2014**

# **Providence College**

**Bachelor of Arts, Pre-Engineering • 2009 — 2012**

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## **Technologies**

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### **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

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## Associations

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### 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.

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Inspired by [@jglovier](#). Source project can be forked from [GitHub](#).