Patrick A. Jain-Taylor

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Cloud Architect | DevOps Engineer

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

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

Driving initiatives to standardize our cloud deployments, zero-trust network access, and DevOps best practices for the broader organization.

- Leading initiative to migrate away from our legacy zero-trust network access (ZTNA) solution to Banyan Security ZTNA, and now support 600 services across 2000 internal users using this platform.

- Deployed AWS Control Tower in our AWS Organization to deploy new AWS accounts with necessary security controls & governance, deploy well-architected solutions to our accounts using Account Factory for Terraform, and support future initiatives to fan out our existing applications into dedicated account stacks.
- Mentoring junior & mid-level colleagues through dedicated 1-on-1 time, scheduled office hours, and a bi-weekly show & tell event for all DevOps members to demonstrate their work to the team and critical stakeholders.
- Providing architectural & engineering support for internal security trainings with phishing simulations, including the management of Well-Architected ACM, ELB, IAM, Route 53, ACM, SES, VPC, and WAF services.
- Designing a global cloud network using AWS Network Manager, to reduce our reliance on VPC peering, ensure reachability of resources across regions, analyze & enforce least-privileged access between resources, and manage IP space effectively as we scale.

Senior DevOps Engineer • Jul. 2022 — Jun. 2023

- Cultivated a high-performing DevOps team of 3 engineers, providing mentorship and career development that fostered expertise in Infrastructure-as-Code (`IaC`), cloud networking, and `CI/CD` automation to consistently deliver on project milestones.
- Spearheaded the ground-up redesign of the DevOps Agile framework, improving delivery predictability and cross-team alignment. The resulting model was successfully adopted as the standard for multiple TechOps organizations, demonstrating its scalability and effectiveness.
- Directed the enterprise-wide migration to a modern Zero-Trust Network Access (`ZTNA`) solution (SonicWall), enhancing security posture and user experience for **3,000+ users** accessing **1,000+ internal services** with zero downtime.
- Architected and implemented `AWS Control Tower` and `Account Factory for Terraform (AFT)`, automating the provisioning of secure, well-architected `AWS` accounts. This reduced new account setup time, enforced security guardrails from inception, and established a scalable governance model for future multi-account application deployments.
- 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.
- Engineered and automated the cloud infrastructure (`VPC`, `ELB`, `WAF`, `Route 53`) supporting critical internal phishing simulations, directly contributing to an improved security awareness and resilience posture across the organization.
- Optimized the global cloud network fabric using `AWS Transit Gateway` and `Network Manager`, centralizing routing and security policy enforcement. This

eliminated complex VPC peering meshes, simplified IP address management (IPAM), and strengthened the organization's multi-region network security.

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.

Eaton Vance Management

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

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.