Dylan M. Taylor

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PROFESSIONAL SUMMARY

- **Championing cloud-native development and infrastructure-as-code (IaC):** Led the development of multiple CI/CD solutions, container images, customized Packer images, and production-grade Terraform repositories/modules, ensuring standardized, scalable deployments within the company's cloud environments. Focused on reusability when developing modules so that the DRY principle could be applied, ensuring uniformity across many accounts and deployments.
- **Scripting and automation:** Developed a Python-based Selenium script for automated environment configuration and testing of a line-of-business application, streamlining deployment processes, reducing manual intervention and improving operational efficiency. Migrated complex business processes to cloud-native architecture on AWS, utilizing Step Functions, Lambda, and Batch, for efficient job processing and reduced operational costs.
- **Enhancing cloud security posture:** Developed an Ansible playbook and provisioning scripts to configure machines to follow corporate standards, ensuring auditability, separation of duties, and LDAP integration. Worked closely with cyber security to build out monitoring and auditing solutions using Security Lake and the Rapid7 Insight Platform in an automated fashion.
- **Linux administration:** Seasoned Linux administrator both as a hobbyist and a professional, with extensive experience in system provisioning, configuration management, performance optimization, and troubleshooting across various distributions. Contributed to FOSS projects in spare time, providing code, automation, and packaging for components of Arch Linux (writing Python code for the installer), NixOS (as a package maintainer), and GitHub Actions for the Universal Blue images.
- **Cloud networking:** Helped to design and implement robust and secure multi-regional cloud network infrastructure using VPC, CloudWAN, AWS network firewall, network security group rules, Route53, and Elastic Load Balancers (both ALB and NLB). Centralized network routing and configuration for several dozen accounts for enhanced security and manageability.
- **Building deployment and automation tooling:** As a professional software developer, contributed Java and Python code to the IBM UrbanCode Deploy Blueprint Designer, including the OpenStack heat plugins, and a microservice to discover cloud resources. This tool facilitated automated deployment of software and infrastructure to multiple customer environments.

TECHNICAL SKILLS

- AWS, Azure, GCP, OCI, Vultr, OpenStack clouds
- Software Development in Python and Java
- Scripting and automation (Bash, PowerShell)
- Infrastructure-as-Code (IaC)
- Automated VM image building (Packer)
- Logging and performance monitoring
- Git (GitHub, GitLab, Gerrit), SVN
- Linux Administration (Red Hat, Ubuntu)
- Disaster recovery planning
- Terraform/OpenTofu, CloudFormation, Ansible, Chef, CDK
- DevOps pipelines (GitHub Actions, GitLab CI/CD)
- Networking (VPC, NSGs, NFW, WAF, Cloud WAN)
- Serverless functions (including Lambda)
- Basic DBA (MySQL, PostgreSQL, Oracle, Aurora)
- Container development and orchestration
- Docker, Podman/Buildah, Kubernetes, Fargate
- S3 object storage and elastic file system
- IAM permissions and security hardening

CERTIFICATIONS

- AWS Certified Cloud Practitioner   September 2025

EDUCATION

PENN STATE ERIE, THE BEHREND COLLEGE   Erie, Pennsylvania
- Bachelor of Software Engineering,   June 2015
  with minors in Management Information Systems and Computer Science

PROFESSIONAL EXPERIENCE

SENIOR DEVOPS ENGINEER | Financial Technology (Credit Genie) — October 2025 - Present

- Current role - details to be added as experience develops

SENIOR CLOUD ENGINEER | Insurance Industry (Curi) — September 2021 - September 2025

- Migrated legacy servers from on-premises and VMware Cloud (VMC) to Amazon EC2 using AWS Application Migration Service.
- Built out multiple AWS accounts with standardized networking, Service Control Policies (SCPs), and permissions boundaries using OpenTofu modules in Scalr.
- Maintained enterprise-wide network security, including Suricata firewall rules, AWS network security groups, and NACLs.
- Deployed and managed three Kubernetes clusters for production services, including Scalr agent pools, GitHub Actions ARC runners, and Backstage.
- Developed Dockerfiles and implemented CI/CD pipelines to build and deploy container images to ECR, supporting ECS and Kubernetes workloads.
- Configured CloudWatch monitoring for EC2 instances, integrating SNS notifications with Opsgenie for service downtime and low disk space alerts.
- Automated AMI image creation for business applications and base 'golden image' templates using Hashicorp Packer.
- Used Selenium to automate configuration and validation of commercial off-the-shelf software critical to business operations.

PLATFORM ENGINEER | Financial Services Industry (Truist) — June 2018 - September 2021

- Contributed to the development of an internal OpenStack cloud environment using VMware Integrated OpenStack.
- Designed and maintained GitLab CI/CD pipelines for building and deploying corporate software to the OpenStack IaaS platform using Terraform.

SOFTWARE ENGINEER | Technology Industry (IBM) — July 2015 – June 2018

- Developed a RESTful Python-based (Flask) cloud discovery microservice for the IBM UrbanCode Deploy blueprint design server.
- Served as a Site Reliability Engineer for the IBM Bluemix code delivery pipeline service on IBM Cloud VMs in Softlayer.
- Created and executed scripts to manage network traffic (ingress/egress) and troubleshoot storage issues on the IBM Watson Health Life Sciences Cloud.