

# Dylan M. Taylor

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## CAREER

### CURI

- Senior Cloud Engineer (Amazon Web Services)

Raleigh, North Carolina  
September 2021 - Present

### TRUIST FINANCIAL CORPORATION (FORMERLY BB&T)

- VP, Platform Engineer II

Raleigh, North Carolina  
June 2018 - September 2021

### INTERNATIONAL BUSINESS MACHINES

- Watson Platform for Health Life Science Infrastructure DevOps
- Bluemix DevOps Services Site Reliability Engineer
- UrbanCode Deploy Software Engineer

Research Triangle Park, North Carolina  
June 2017 - June 2018  
September 2016 - June 2017  
July 2015 - September 2016

## 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, K8s, Fargate
- S3 object storage and elastic file system
- IAM permissions and security hardening

## PROFESSIONAL EXPERIENCE

- 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. I have contributed to FOSS projects in my 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.

## EDUCATION

### PENN STATE ERIE, THE BEHREND COLLEGE

- Bachelor of Software Engineering,  
with minors in Management Information Systems and Computer Science

Erie, Pennsylvania  
June 2015