

Anthony B. Freay

New York, NY

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Experience

Vice President, Full-Stack Engineer

BNY, Technology Services Group - Storefront

New York, NY

Mar. 2024 - Present

- Design and implement custom Terraform provider enhancements in Golang for offline asynchronous provisioning, enabling non-blocking infrastructure deployments that improved system throughput by 200% and reduced user wait times.
- Debug and resolve critical production incidents as Designated Responsible Individual (DRI) including VPN routing conflicts, TFE Agent failures, and batch processing deadlocks. Reduced MTTR by 65% through hands-on troubleshooting with Splunk, systematic root cause analysis, and automated remediation scripts.
- Architect and implement 15+ self-service Azure infrastructure offerings (VMs, databases, storage, networking) while coordinating technical delivery across 3+ parallel workstreams, reducing time-per-deployment by 300% through Terraform module development and automated governance controls.
- Establish technical standards through hands-on code reviews across 137 products, mentoring engineers on Terraform best practices while developing comprehensive runbooks and playbooks that reduced incident resolution times by 300%.
- Drive 50% increase in team velocity through improved sprint planning and dependency management across 3+ workstreams, implementing technical improvements including Terraform optimization, automated testing pipelines, and self-service tooling.

Senior Associate, Lead Full-Stack Engineer

BNY Mellon, Technology Services Group - Storefront

New York, NY

Jul. 2023 - Mar. 2024

- Scale Terraform Enterprise platform to support 5,000+ workspaces and 2,500+ users, increasing capacity by 2x to process 2,000+ requests per week while maintaining 98% uptime across multi-region infrastructure.
- Design and maintain runbooks and technical documentation to streamline incident response, reducing resolution times by 300% and improving operational handoff across time zones.
- Lead on-call rotations for infrastructure support, ensuring swift incident resolution and preventing critical downtime in key production systems.
- Conduct thorough code reviews, collaborating with multiple engineering teams to reduce bugs, improve security, and ensure high-quality software deployments across infrastructure and provisioning tools.

Associate, Full-Stack Developer

BNY Mellon, Technology Services Group - Storefront

New York, NY

Feb. 2022 - Jul. 2023

- Design schema-driven infrastructure-as-code framework for self-service product onboarding via ServiceNow, enabling engineering teams to publish standardized infrastructure offerings and improving adoption efficiency.
- Enhance continuous integration/continuous deployment (CI/CD) pipeline, reducing release times by 50%, improving deployment speed, and strengthening system reliability across production environments.
- Conduct code reviews across cross-functional teams and develop product offerings based on engineering requirements, maintaining Terraform coding standards while driving service adoption and user satisfaction.

Graduate Developer, Software Engineering & Technology University Program

(S.E.T.U.P.)

Jersey City, NJ

BNY Mellon, Technology Services Group - Storefront

Jul. 2020 - Jan 2022

- Develop Storefront Terraform Provider with 3 JSON-based modular resources used across 137 products, improving Terraform Enterprise uptime to 98.08% through critical reliability enhancements.

Skills

Cloud & Infrastructure	Terraform Enterprise (Advanced), Terraform/HCL (Advanced), Azure (Intermediate), Ansible (Intermediate)
Programming Languages	Golang (Intermediate), Powershell (Intermediate), Bash (Intermediate)
Monitoring & Observability	Splunk (Intermediate)
Languages	English (Native), Spanish (Fluent)

Projects & Interests

Personal Website Built personal website in ReactJS (prev. in HTML) to hone web development skills and establish digital presence.

Photography Capture compelling live music, portrait, and diaristic photographs including freelance event work.

Education

Villanova University

B.S. in Computer Science & B.A. in Psychology

Villanova, PA, USA

- **Awards:** O'Toole Presidential Scholar