

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.)

BNY Mellon, Technology Services Group - Storefront

Jersey City, NJ

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