

# Anthony B. Freay

New York, NY

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## Experience

### Vice President, Full-Stack Engineer

New York, NY

BNY, Technology Services Group - Storefront

Mar. 2024 - Present

- Design and implement custom Terraform provider in Golang with Temporal workflow orchestration for asynchronous infrastructure provisioning, building scalable backend APIs that improved system throughput by 200% and reduced deployment wait times across cloud environments.
- Lead on-call rotations as Designated Responsible Individual (DRI), resolving critical production incidents including VPN routing conflicts, Terraform Enterprise Agent failures, and batch processing deadlocks. Reduced MTTR by 65% through Splunk monitoring, root cause analysis, and automated remediation scripts.
- Architect and deploy 15+ self-service Azure infrastructure offerings (VMs, databases, storage, networking) using Terraform modules and CI/CD pipelines, reducing time-per-deployment by 300% through Infrastructure-as-Code automation.
- Mentor engineers through hands-on code reviews across 137 products, establishing Terraform and Python best practices while developing technical documentation that reduced incident resolution times by 300%.
- Drive 50% increase in team velocity through cross-functional sprint planning across 3+ workstreams, implementing automated testing pipelines, Terraform optimization, and self-service platform tooling.

### Senior Associate, Lead Full-Stack Engineer

New York, NY

BNY Mellon, Technology Services Group - Storefront

Jul. 2023 - Mar. 2024

- Scale Terraform Enterprise platform, configured via vendor Helm chart on on-prem OpenShift (Kubernetes), to support 5,000+ workspaces and 2,500+ users, increasing capacity by 2x while maintaining 98% high availability.
- Design and maintain runbooks and technical documentation for incident response, reducing resolution times by 300% and improving on-call operational handoff across time zones.
- Lead on-call rotations for production infrastructure support, ensuring fault tolerance and preventing critical downtime in backend systems.
- Conduct code reviews across cross-functional engineering teams, improving system reliability and security across infrastructure and provisioning services.

### Associate, Full-Stack Developer

New York, NY

BNY Mellon, Technology Services Group - Storefront

Feb. 2022 - Jul. 2023

- Design schema-driven Infrastructure-as-Code framework for self-service product onboarding via ServiceNow, enabling engineering teams to publish standardized cloud infrastructure offerings at scale.
- Enhance CI/CD pipelines, reducing release times by 50%, improving deployment speed, and strengthening system reliability across production environments.
- Conduct code reviews across cross-functional teams, maintaining Terraform coding standards and developing backend product offerings based on engineering requirements.

### 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 Terraform Provider in Golang with 3 JSON-based modular resources used across 137 products, improving platform high availability to 98.08% through backend reliability enhancements.

## Skills

|                        |                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------|
| Cloud & Infrastructure | Azure, Terraform Enterprise, Terraform / HCL, Kubernetes, OpenShift, Ansible, Docker, Temporal, CI/CD |
| Programming Languages  | Golang, Python, Bash, Powershell, JavaScript                                                          |
| Web Development        | Next.js, React, Tailwind CSS, Flask                                                                   |
| Monitoring             | Splunk                                                                                                |
| Spoken Languages       | English (Native), Spanish (Fluent)                                                                    |

## Projects & Interests

|                  |                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------|
| Personal Website | Portfolio built with Next.js 16, React 19, Tailwind CSS 4, and Vercel-hosted SEO-optimized masonry galleries.        |
| seatSeeker       | Python reservation automation tool with Flask web UI, APScheduler, email notifications, and Raspberry Pi deployment. |
| Photography      | Capture compelling live music, portrait, and diaristic photographs including freelance event work.                   |

## Education

### Villanova University (VU)

Villanova, PA

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

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