

Anthony B. Freay

New York, NY

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Experience

Vice President, Full-Stack Engineer

New York, NY

BNY Mellon, Technology Services Group - Storefront

Mar. 2024 - Present

- Lead a cross-functional team of 5 engineers to deliver 15+ self-service Public Cloud Azure offerings. Simplified deployment by 300% and improved provisioning efficiency by 200% via streamlined governance and access controls.
- Assist in sprint planning for a team of 7, allocate work across 5 workstreams, ensure timely delivery, and drive a 400% increase in team velocity.
- Successfully resolved complex issues, including VPN conflicts, TFE Agent bugs, and scheduled batch process challenges. Optimized workflow by implementing effective troubleshooting strategies and utilizing tools like Splunk and milestone tracking. Significantly improved system reliability and reduced downtime through proactive problem-solving and strategic personnel involvement.
- Continue to partner with internal engineering teams, Pershing, and Pershing X to drive improved performance, scalability, and security in Azure.
- Serve as the Designated Responsible Individual (DRI) for Public Cloud and Terraform incidents, leading swift resolution and escalating to key stakeholders. Demonstrate strong ability to handle complex situations and manage high cognitive load.
- Develop comprehensive technical documentation and knowledge-sharing practices, including detailed runbooks and playbooks, to streamline onboarding, project execution, and troubleshooting across multiple timezones.
- Update the Storefront Terraform Provider to integrate with offline asynchronous provisioning featureset.
- Collaborate with SoftServe to identify and contract top-tier software developers, aligning their skills with critical project requirements.
- Awarded the 2024 Q1 Spotlight Award for contributions to infrastructure scalability, Public Cloud enablement firm-wide, and team leadership within the Technology Services Group.

Senior Associate, Lead Full-Stack Engineer

New York, NY

BNY Mellon, Technology Services Group - Storefront

Jul. 2023 - Mar. 2024

- Spearhead the management of Terraform Enterprise across the firm, overseeing 5,190 workspaces and 2,525 users, ensuring platform scalability and high availability during peak demand.
- 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.
- Increased platform capacity by 2x, processing 2,390 requests per week, enabling critical business operations while maintaining 98.63% uptime across multi-region infrastructures.
- 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.
- Led development of self-service Public Cloud product offerings, including VMs and databases on Azure, in collaboration with cross-functional teams. These initial offerings paved the way for 21 additional self-service infrastructure products.

Associate, Full-Stack Developer

New York, NY

BNY Mellon, Technology Services Group - Storefront

Feb. 2022 - Jul. 2023

- Implement a formal product infrastructure design schema for self-service onboarding via ServiceNow, enabling engineering teams to streamline their capabilities to application users, improved adoption and efficiency.
- Developed and enhanced product offerings based on engineering requirements, driving a significant increase in service adoption and overall user satisfaction.
- Utilized monitoring tools such as Grafana, Prometheus, and Splunk to diagnose and resolve technical issues across Production and Non-Production environments, ensuring system uptime and stability.
- Conducted thorough code reviews, collaborating with cross-functional teams to maintain coding standards for Terraform.
- Played a crucial role in the continuous integration/continuous deployment (CI/CD) pipeline, reducing release times by over 50%, enhancing deployment speed, and improving system reliability.

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

- Contributed to the development of a Storefront Terraform Provider, creating 3 JSON-based modular resources used across 137 products, streamlining service delivery and reducing custom resource development by 30%.
- Improved Terraform Enterprise uptime to 98.08% by addressing critical reliability issues, enhancing operational stability and minimizing downtime.

Skills

Cloud & Infrastructure	Terraform (Advanced), Azure (Intermediate)
Programming Languages	Golang (Intermediate), Powershell (Intermediate), Bash (Intermediate), Java (Novice), HTML/CSS/JS (Novice)
Monitoring & Observability	Splunk (Novice), Grafana (Novice), Prometheus (Novice)
DevOps & Tools	Ansible (Intermediate), GitLab CI/CD (Novice), Docker (Novice), Maven (Novice)
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.