

## TECHNICAL SKILLS

**Languages:** Javascript, Python, Golang, TypeScript, Java, C#, C/C++, Bash, x86 Assembly, SQL, HTML/CSS, Markdown

**Frameworks:** React.js + Redux, Node.js + Express.js, Streamlit, Ionic, Tailwind, .NET, D3.js, Vue.js, BeautifulSoup

**Tools & Infrastructure:** Git, Docker, Proxmox, Ansible, Tailscale, Azure, DigitalOcean, IKEv2/IPsec, Prometheus, Grafana

## EXPERIENCE

### **Software Engineer (Technology Development Program)** - AT&T, Middletown, NJ

July 2025 - Present

- Engineered a *Python*-based diagnostic suite interfacing directly with *Linux QEMU/KVM* hypervisors, programmatically parsing host/guest configurations and memory metrics to identify root causes of VM instability
- Shipped a secure network access feature for home users, evolving a *WireGuard* POC into an MDM-deployable iOS *IKEv2* (strongSwan) VPN that forces resolver traffic to internal DNS

### **Founding Backend Engineer** - [Artemis Ops](#), Remote

October 2024 - June 2025

- Developed an *AI-driven* compliance agent that interprets natural language workplace events to auto-populate regulatory forms in *DynamoDB*, ensuring data integrity and streamlining incident reporting workflows
- Refactored page navigation in the *React.js* based SaaS product to support multi-page navigation and optimized popup state management logic with *Redux*, reducing the codebase by 300+ lines and enhancing maintainability

### **Data Scientist** - Genmab, Princeton, NJ

June 2024 - September 2024

- Implemented *Generative AI* tools using (*Python, Streamlit, Docker, AWS Lightsail*) for *Retrieval Augmented Generation (RAG)*, enhancing access to 50+ proprietary publications and accelerating onboarding efficiency by 60%
- Architected a *Knowledge Graph-based RAG system*, enabling the AI model to traverse semantic relationships between documents, significantly improving context retrieval for complex queries

## PERSONAL PROJECTS

### **Homelab** | *Bash, Proxmox VE, AdGuard Home, Tailscale, Ansible, Prometheus + Grafana*

July 2025 - Present

- Implemented a full-stack observability pipeline using *Prometheus* and *Grafana*, aggregating real-time metrics from *Proxmox* containers and *Tailscale* networks to a centralized hardware dashboard for proactive system monitoring
- Maintained a production-like lab using *Proxmox VE (LXC/VMs)* and *Ansible* for automated provisioning, mirroring real-world distributed systems and providing a sandbox for self-hosted services

### **NJIT Course Mentor** | *OpenAI API, Python, Streamlit, BeautifulSoup, DigitalOcean*

June 2024 - November 2024

- Built a *GPT-4o-powered AI* assistant that provides students with up-to-date, personalized course recommendations
- Designed and implemented web scraping pipelines with *Python* and *BeautifulSoup*, structuring 125 degree programs and 300+ course listings to improve accuracy of AI-driven recommendations
- Optimized backend with *multithreading*, cutting data processing time by 69%, leading to faster app startup times

### **Fitbit → Apple Health Integration App** | *Fitbit + Apple HealthKit API, Express, Vue*

June 2023 - September 2023

- Developed an *iOS* app enabling seamless Fitbit workout data synchronization for Apple Health users

## EDUCATION

### **Georgia Institute of Technology**, Online

January 2026 - Present

#### **M.S. in Computer Science, Computing Systems Track**

### **New Jersey Institute of Technology**, Newark, NJ

September 2021 - May 2025

#### **B.S. Honors in Computer Science - GPA: 3.83/4.0**

**Awards:** Provost Undergraduate Research Institute Fellow, Honors Summer Research Institute Fellow, Dean's List