Jeremy Sarduy

DevSecOps | Application Security | Cybersecurity
Brooklyn, New York | (917) 686-4525 | Jeremy.Sarduy@icloud.com | JeremyS.io

PROFESSIONAL SUMMARY

Cybersecurity and Infrastructure professional combining a B.S. in Cybersecurity, an M.S. in Computer Science, and active pursuit of a second master's degree with hands-on experience in full-stack software engineering and detection engineering. Proven ability to architect secure web applications, manage multi-site enterprise deployments, and deploy local-first AI reasoning systems. Seeking DevSecOps, Application Security, or Tier 2 SOC roles leveraging deep Python/Django development, SIEM monitoring, and cloud infrastructure expertise.

TECHNICAL SKILLS

Languages & Frameworks: Python, Django, FastAPI, React, PHP, SQL, Snowflake, Bash, HTML/CSS
Security & Operations: SIEM/Splunk, MITRE ATT&CK, Incident Response, RAG Pipelines, Local LLM Integration (Ollama), Vulnerability Remediation
Infrastructure & Tools: AWS, VMware, OPNsense Firewalls, Git/GitHub CI/CD, Asset Management

PROJECTS

Corvela – Secure E-Commerce & Reading Platform | *Vanilla JS, PHP 8.4, MySQL, Shopify API*

- Architected a zero-build, single-page web application integrating headless shopify commerce, custom loyalty systems, and robust RBAC, verified by 1100+ CI/CD pipeline tests.
- Engineered enterprise-grade security controls, including SSRF defenses with DNS rebinding protection, constant-time HMAC webhook validation, and strict data privacy (k-anonymity) for user analytics.

Lens Fitness – Self-hosted Web Application | *Python, Django, React, Ollama*

- Architected and deployed a local-first workout tracking application utilizing a Django backend and react frontend while integrating a local Ollama AI reasoning system for secure, offline data processing and customized user logic.

NestShield — AI-Powered Cybersecurity Assistant (Master's Capstone) | *Python, FastAPI, React, Mistral 7B, ChromaDB, RAG*

- Designed and built a full-stack AI cybersecurity assistant, fine-tuning a Mistral 7B model and implementing a ChromaDB-backed RAG pipeline to ground responses in verified security guidance for non-technical users.
- Validated the system through a structured 43 pre-test participants and 28 post-test participant research study, demonstrating a 54.2% improvement in comprehension and a 75% voluntary remediation rate. A published successful Graduate Capstone Defense.

Cloud Threat Simulation & Incident Response Lab | *AWS, Splunk, VMware, OPNsense*

- Architected an AWS-based lab environment simulating live cyberattack vectors and built a separate VMware-based home lab including an OPNsense firewall VM, for hands-on detection-engineering and network security practice.
- Ingested and analyzed logs in Splunk SIEM, building custom alerts mapped to MITRE ATT&CK threat signatures, and authored Incident Response (IR) playbooks to standardize response procedures.

RELEVANT EXPERIENCE

Computer Science Educator & Technical Lead | *NYC Department of Education* 2025 – Present

- Architect and deploy project-based full-stack applications (Python, React, PHP, SQL) utilizing CI/CD pipelines for staging and production environments.
- Develop and implement a generative-AI unit focusing on the practical integration of RAG pipelines and Small Language Models (SLMs) to empower user-driven tool creation.

Field Operations & Data Compliance Technician | *Pro Tech Services, Inc.* 2022 – 2025

- Managed field operations and vendor-coordinated hardware deployments across 200+ ATMs at 40+ highly secure client sites (Bank of America, TD Bank, Flushing Bank).
- Supported fraud and security monitoring response, ensuring strict compliance and audit data handling across a multi-site network.

Product & Data Analyst | *Uno Health* 2020 – 2022

- Managed and analyzed large customer datasets using SQL and Snowflake, writing unit tests to validate data pipelines while maintaining strict compliance for major health insurance clients (Empire BCBS, UHC).
- Translated stakeholder requirements into shipped functionality, conducting user research to drive cross-functional Agile product roadmap decisions.

Patient Access Representative | *Wyckoff Heights Medical Center* 2018 – 2020

- Managed Patient intake, scheduling, and strict HIPAA-compliant data processing within a high-volume hospital environment while returning to higher education.

IT Operations Manager | *NYC Department of Education* 2012 – 2018

- Managed the technology budget, procurement, and vendor lifecycle for 3 district schools, securing $885,000 in grant funding for infrastructure modernization.
- Owned end-to-end asset lifecycle tracking for a fleet of 500+ devices supporting 2500+ end-users.

EDUCATION & CERTIFICATIONS

Master of Science in Cybersecurity and Information Assurance | Western Governor's University | Anticipated August 2028
Master of Science in Computer Science | Full Sail University | March 2026
Bachelor of Science in Cybersecurity | Full Sail University | December 2024
Social & Behavioral Research (CITI Program) | ID 68431726 | Valid Mar 2025 – Mar 2028