Ellis Pinaman

Security-First Python Developer | DevSecOps & AI Systems

✉ epinaman@yahoo.com 📞 614-695-8215 📍 Columbus, Ohio 🌐 LinkedIn ⛉ GitHub

CAREER SUMMARY	Python Developer with 5+ years of hands-on experience building security automation and ML systems across hybrid cloud environments. Shipped a production threat detection platform doing 1M+ evaluations/day at sub-200ms with 94% accuracy — FastAPI, PostgreSQL, scikit-learn. Deep expertise in CI/CD, Docker, Terraform, and infrastructure automation with a security-first approach forged in SOC2 and HIPAA-regulated healthcare. GCP Associate Cloud Engineer certified with AWS DevOps on the way.

PROFESSIONAL EXPERIENCE

NullPointVector
Python Architect & Security Engineer — 2024 - Present

Developed end-to-end Python ML pipeline for real-time threat detection across email, SMS, and voice channels.

- Achieved 94% detection accuracy, 80% false positive reduction using Logistic Regression, Neural Networks, and NLP (TF-IDF)
- Implemented semantic threat analysis using SentenceTransformers (all-MiniLM-L6-v2) and custom vector database to identify emerging attack patterns
- Built a FastAPI REST service with PostgreSQL/pgvector backend processing 1M+ daily evaluations at sub-200ms latency
- 15% monthly accuracy improvement via self-learning embeddings - engineered incremental training workflows w/ partial_fit()
- Designed multithreaded data ingestion system (IMAP + ThreadPoolExecutor) processing 10,000+ records with parallel batch fetching, backoff/ retry logic, and checkpoint recovery
- Deployed hardened CI/CD pipeline (GitHub Actions, Docker) with automated security scanners achieving 99/100 infrastructure security score

Quantum Health
Columbus, OH
IT Operations Analyst II — 2024-11-01 - Present

Consulted on development support efficiencies, focusing on identifying automation gaps and reducing technical debt for hybrid cloud infrastructure while providing end user assistance and platform education.

- Developed "**Security Data Fabric**" for the Director of InfoSec: A 3-tier medallion engine architecture (Bronze/Silver/Gold) ingesting data from 10+ sources autonomously (ServiceNow, Defender, Grafana) to provide CISO-level analytics.
- Designed automated ServiceNow ticket triaging workflow (round-robin MVP) and presented to engineering management, reducing manual triage overhead by 15+ hrs/week
- **Reduced annual cloud spend by $126k** via a 12-step automated Terraform-Cloud to S3 migration for 900+ repositories.
- Worked cross-functionally with InfoSec, DevOps, and Endpoint Systems engineering teams alongside directors and management on process improvements

OhioHealth (TEKsystems Contract)
Columbus, OH
Field Systems Administrator II — April 2023 - November 2024

Managed endpoint projects and infrastructure across clinical and C-suite settings - upholding compliancy while responding to triaged tickets in queue.

- Configured & deployed 1,000+ secure endpoints across hospital facilities maintaining 99.8% uptime for 5,000+ clinical staff in HIPAA-regulated environment
- Built SCCM automation workflows reducing endpoint provisioning time 55% (90m to 40m)
- Resolved IoT device failures through protocol-level debugging and vendor-aligned remediation workflows
- Managed full endpoint lifecycle: PXE boot imaging, GPO configuration, application packaging, NAC compliance, and security hardening across on-prem infrastructure

EDUCATION & CERTIFICATIONS

Western Governors University — BSCS
B.S. Computer Science | Western Governors University (Exp. 2027) — 2024-2027

Google Cloud Associate Engineer (GCP-ACE)

CompTIA Network+, CompTIA A+

CORE COMPETENCIES

Python, FastAPI, PostgreSQL, AWS, GCP, Docker, Terraform, CI/CD, scikit-learn, SQLAlchemy, GitHub Actions, HIPAA, SOC2