

Dillon Prendergast

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U.S. Citizen • Based in Brazil (GMT-3) • Authorized for Remote Work

DevOps & Security Engineer building containerized test frameworks and automated data pipelines. Experienced in Docker, CI/CD, and scalable API development for research and cybersecurity applications. Focused on efficient, reliable systems that deliver measurable results.

EXPERIENCE

Sepal AI

DevOps Engineer

Remote

August 2025 – Present

- Developed containerized Python environments to reproduce and patch live CVE vulnerabilities, enabling reproducible, automated security evaluations across 30+ benchmarks.
- Built offline-ready Nextflow and nf-core pipelines for bioinformatics and security workflows, reducing environment setup time and ensuring deterministic execution in air-gapped settings.
- Streamlined CI/CD and container orchestration for large-scale AI benchmarking, supporting scalable, repeatable safety and evaluation research.

Johns Hopkins University Applied Physics Lab

Cybersecurity Software Engineer

Laurel, MD

June 2020 – July 2025

- Led cybersecurity evaluations for a national defense sponsor, delivering bi-monthly risk reports to inform program-level decisions.
- Developed secure API gateways using digital signatures to protect genomic research data integrity in distributed environments.
- Created a text-extraction and enrichment pipeline using NLTK + regex, deployed via Streamlit with SQLite, producing new insights from unstructured research data.
- Redesigned a classified system's backend architecture from C to Python/FastAPI/SQLAlchemy, enabling new analytics APIs and faster integration with modern front-ends.
- Automated cybersecurity dashboards with Selenium tests and CI/CD hooks, reducing validation effort by 70%.

PROJECTS

E-Commerce Data Automation (Trading Card Pipeline)

January 2025 – July 2025

- Built a Google Apps Script to parse metadata and pricing information for trading cards to generate structured eBay listings, automating 100+ monthly transactions.
- Normalized titles and attributes from images and URLs with custom parsers, reaching 98% listing accuracy.

EDUCATION

Florida State University

Master of Science in Computer Science

Tallahassee, FL

Bachelor of Science in Computer Science

January 2019 – May 2020

August 2015 – December 2018

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, SQL, Bash, Regex

Frameworks: FastAPI, Django, Angular, Streamlit, SQLAlchemy, Pandas, Selenium

DevOps & Cloud: Docker, GitLab CI/CD, AWS

Security: MITRE ATT&CK, DoDCAR, Zero Trust, CVE analysis

Specialties: Automation, Containerization, Data Integration, Web Scraping

LANGUAGES

English: Native | **German:** B1 | **Brazilian Portuguese:** A2