Paul Yi

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Professional Summary

Cloud & AI Engineer with a military background and deep focus on healthcare and defense systems. Experienced in infrastructure as code, Python, and machine learning integration. Passionate about building secure, user-facing tools that solve real problems.

Skills

- **Languages:** Python, Bash
- **Frameworks:** Streamlit, Hugging Face, spaCy
- **Cloud & IaC:** AWS (EC2, Route 53, Lambda), Terraform, GitHub Actions
- **Containers:** Docker, basic ECS/EKS
- **Tools:** Git, Linux, Markdown

Professional Experience

Corporate Fellow – DevOps Track · Booz Allen Hamilton · Sep 2023 – Nov 2023

- Shadowed enterprise DevOps team; paired on Terraform modules and Docker-based CI.
- Authored onboarding runbook still used by fellowship cohort.

Infantryman (E-4) · 1st Battalion, 3d U.S. Infantry Regiment (The Old Guard) · Jan 2021 – Dec 2024

- Performed 650+ Military Funeral Honors, including 6 General Officer funerals with precision and composure.
- SME drag man on joint-service casket team; supported ceremonial readiness for MATEPS 2022.
- Trained in secure communications, small-unit logistics, and worked closely with senior leadership.

Projects

CheckMyMeds — Drug Interaction Checker · Streamlit, Python, NLP

- Fuzzy-match pill-name lookup with real-time RxNorm and OpenFDA integration.
- Fallbacks to NLP risk scoring, deployed to Streamlit Cloud with 96% test coverage.
- Live Demo · GitHub Repo

AWS DevOps Demo · Terraform, AWS, GitHub Actions

- Provisioned ECS/Fargate infra with blue/green deployment pipeline and teardown script.
- Emulated real-world DevOps team collaboration and cloud billing management.
- GitHub Repo

Education

- **B.S. Biochemistry (in progress)** · Arizona State University — Online
- Pivoting to CS electives (Java, data structures) to support AI work
- Supplemented with Hyperskill Python Track & KodeKloud Pro Labs

Certifications

- AWS Solutions Architect – Associate (Target: Aug 2025)
- LFCS – Linux Foundation Certified System Admin (Target: Aug 2025)