Sam Hendricksen

📧 samuel.h1996@yahoo.com | 📱 757.814.3391

Professional Summary

Software Engineer with experience in the full software development life cycle, Java and Python development, unit testing, and secure cloud workflows. Proven ability to deliver scalable and reliable solutions across distributed teams in regulated environments. Active Secret clearance with prior U.S. Coast Guard Reserve service, combining government experience with technical expertise in Agile software development.

Education

Virginia Tech — B.S. in Computer Science

Clearance

Active Secret Clearance

Certification

AWS Machine Learning (Expected Oct 2025)

Skills

Programming: Java, Python, SQL, C, C++, Dart, HTML

Frameworks & Tools: Maven, Flask, AngularJS, Git/Bitbucket, Jenkins, UrbanCode Deploy

Software Development: Full SDLC, Agile methodology, Object-Oriented Design, Code Reviews, Static Analysis

Testing: Unit testing, Automation testing, Integration testing

Cloud & Data (AWS): S3, EC2, ECS Tasks, Step Functions, Lambda, DynamoDB, RDS (PostgreSQL), SNS/SQS, Secrets Manager

Containers & Platforms: Docker, AWS ECS, Linux/Unix & Windows environments

Security: Encryption modernization, vulnerability remediation, compliance alignment

Databases: PostgreSQL tuning, DynamoDB schema design, cross-platform data exchange

Experience

Fannie Mae | Cloud Infrastructure – Software Engineering – Senior Associate

Jan 2020 – Current | Reston, VA | Remote

- Designed and developed enterprise software solutions in Java and Python, applying object-oriented design principles across secure, high-throughput systems.

- Integrated unit testing for AWS Lambdas and modernized automation testing to reduce errors in complex distributed workflows.

- Contributed to the full software development life cycle: requirements, design, implementation, test, and maintenance of secure file transfer systems and orchestration pipelines.

- Enhanced code quality and security by remediating Java vulnerabilities, enforcing JSON schema validation, and upgrading cipher standards across vendors.

- Collaborated with geographically distributed teams, leading onboarding automation, migration dashboards, and orchestration pipelines.

- Optimized databases and workflows by tuning PostgreSQL, decoupling configs into DynamoDB, and scaling ECS-based tasks.

- Participated in code reviews and troubleshooting of vendor integrations, ensuring reliability and compliance.

Notable Projects

- Application Onboarding Automation Tool: Self-service onboarding with schema enforcement, API verification, and security validation, reducing delivery time ~20%.

- Migration Dashboard: Python/Flask UI to migrate 100+ apps with automated template generation and centralized JSON workflow definitions.

- Cipher Modernization Initiative: Directed enterprise-wide encryption upgrades for secure integrations, aligned with compliance standards.

- Workflow Orchestration for Scalable Transfers: Architected decoupled orchestration between database and transfer layers to improve scalability and reliability.

Government & Defense Experience

U.S. Coast Guard Reserve | Marine Science Technician

Aug 2015 – Jun 2021 | Norfolk, VA

- Applied federal compliance and security frameworks (CFR) to operational procedures.

- Strengthened risk mitigation and multi-agency coordination, aligning with defense system requirements.

- Gained hands-on experience in government-regulated operations and compliance environments.

Prior Experience

nCino | Software Developer Intern (May 2019 – Aug 2019 | Wilmington, NC)

- Built secure financial workflows in Apex and AngularJS.
- Improved compliance features in data workflows through JavaScript enhancements.

TrackOff | UI Developer Intern (May 2018 – Aug 2018 | Baltimore, MD)

- Updated iOS application and integrated analytics pipelines to track usage trends.
- Redesigned UI for clarity and transparency.

Ten 56, Brand Development | Chick-fil-A Cow (Sep 2014 – Aug 2015 | Yorktown, VA)

Technologies

Java, Python, Maven, PostgreSQL, DynamoDB, Docker, Jenkins, Bitbucket, GitLab, UrbanCode Deploy, AWS (Lambda, Step Functions, ECS, S3), Linux/Unix, Jira, Salesforce, Flutter, Flask