Samuel Jones

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Education

Florida Polytechnic University, Lakeland, Florida — Expected May 2027
Bachelor of Science, Computer Science, Minor in Applied Mathematics, Concentration in Software Engineering

Relevant Coursework
Computer Networks, Operating Systems Concepts, Software Design and Architecture, Algorithm Design & Analysis, Computer Architecture, Data Structures, Database 1

Skills

Languages: Python, C, C++, JavaScript, TypeScript, HTML/CSS
Frameworks and Libraries: FastAPI, SciPy, NumPy, Matplotlib, Pytest, Libsodium, Google Test, Nuxt, Zod, Vitest
Tools & Databases: Git, Docker, Docker Swarm, Linux, MySQL, Sphinx, Jira, Confluence, CMake, MongoDB, Cloudflare, Clerk

Work Experience

Eternal Endurance Resiliency Service, Satellite Beach, FL
Contract Full-Stack Developer — May 2026 - Present

- Designing and developing a community event platform (Nuxt, MongoDB Atlas) to let local organizers create, promote, and manage events in one place.
- Integrating Clerk for authentication and session management, offloading credential storage and security to a dedicated provider.
- Containerizing the app with Docker and orchestrating it with Docker Swarm on Debian, using Swarm secrets for credential management and enabling zero-downtime rolling deployments to staging.
- Securing ingress with Cloudflare Tunnel and custom WAF rules, eliminating publicly exposed ports and filtering bot and abuse traffic before it reaches the server.

Projects

Secure Data Container (C++, Libsodium, Google Test, CMake) — March 2026 - May 2026

- Designed and implemented a secure data container using envelope encryption, wrapping per-document master keys with X25519 public keys and encrypting data with XSalsa20-Poly1305.
- Enforced role-based authorization through an access control matrix, restricting read, write, and share operations to permitted roles.
- Led a team of 4, breaking requirements into scoped tasks and assigning work by strength, delivering the project on schedule.