

STEFAAN DAVIS

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EDUCATION

Florida International University (FIU)

Bachelor of Science, Information Technology

May 2027

- **Achievements:** Honors College Member, NSBE member

CERTIFICATIONS

AWS Certified Solutions Architect – Associate

TECHNICAL SKILLS

- **Programming Languages:** Python (Adv), Java (Int), JavaScript (Adv), Bash (Int), HTML/CSS (Adv), PHP
- **Databases:** MongoDB, PostgreSQL, MySQL, Redis, DynamoDB
- **Cloud development:** AWS, Terraform, Docker
- **Backend & APIs:** RESTful APIs, GraphQL, Flask, Express.js
- **CI/CD & Automation:** Git, GitHub Actions, Jenkins
- **Operating Systems & Virtualization:** Linux (Ubuntu, RHEL), Windows Server (Active Directory)
- **Networking:** TCP/IP, DNS, VPNs, Subnetting, Routing
- **Web Servers:** Apache, Nginx

EXPERIENCE

Eight Twelve Consulting LLC

Software Engineer

Mar 2025 - Present

Miami, FL

- Provided Tier 3 support for cloud-native systems, resolving automation and performance issues across Windows, Linux, and AWS.
- Engineered scalable internal tools with React, Flask, and JavaScript, improving monitoring, ticketing, and deployment workflows with responsive design.
- Automated cloud provisioning and CI/CD pipelines using custom EC2 AMIs and Terraform, following IaC principles for reliability and maintainability.

Handshake AI

AI Trainer Fellow

Oct 2025 - Present

Remote

- Optimized workflows and clarified requirements for reproducible, measurable outcomes
- Built reference guides (lookup tables, cheat sheets, decision trees) to streamline technical and project tasks.
- Applied troubleshooting and workflow analysis to optimize clarity and efficiency in AI-driven projects.
- Strengthening communication and teaching skills through example-driven support and systematic documentation.

PROJECTS

Multi-OS Configuration & Automation (RHEL + Windows)

- Implemented a dual-boot environment with RHEL and Windows for cross-platform testing and administration.
- Wrote a bootstrap script to automate package installation, environment setup, and system configuration.
- Configured and customized the GRUB bootloader for multi-kernel management and recovery options.

AI Forex Trading Bot (Python, RL)

- Built a Python Forex bot using PPO (stable-baselines3) and GPU acceleration, with data handled via Pytorch and NumPy.
- Designed autonomous interaction with live and historical market data via broker APIs, using robust data pipelines, Matplotlib for visualization, and modular strategy components.
- Achieved ~90% higher efficiency and profitability over manual trading through adaptive AI optimization..