

STEFAN DAVIS

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OBJECTIVE

Aspiring Cloud Engineer passionate about cloud computing, automation, and DevOps. Pursuing certifications to enhance expertise in scalable infrastructure, CI/CD pipelines, and deployment automation. Seeking to apply technical skills in an innovation-driven environment.

EDUCATION

Bachelor of Science, Information Technology

May 2026

Florida International University (FIU); Miami, Florida

TECHNICAL SKILLS

- Programming Languages: Python, Java, Bash
- IT Support: L2 troubleshooting and debugging
- Cloud & DevOps: AWS (Lambda, Step Functions, DynamoDB, S3, IAM), Terraform, Docker, Kubernetes
- Automation & Testing: Selenium, Pytest, Postman
- Networking Basics: TCP/IP, DNS, VPNs, subnetting, routing
- Development & CI/CD: GitHub Actions, Jenkins, Git, YAML
- Certifications: AWS Cloud Practitioner (in progress)
- Agile Methodologies: Scrum, Kanban, Azure DevOps, iterative workflows
- Infrastructure & Virtualization: VMware, VirtualBox, Windows Server, Linux (Ubuntu, Kali)
- Data Processing & Analysis: NumPy, Pandas, Scikit-learn, Seaborn
- Machine Learning & AI: LLM, Machine Learning, Reinforcement Learning, Gymnasium, StableBaselines3, Shimmmy, PyTorch, TorchVision, Torch-DirectML, PyTorch Lightning, Optuna

EXPERIENCE

Junior Systems Administrator (Part-Time) – Eight Twelve Consulting LLC

West Palm Beach, FL | March 2025 – Present

- Managed Windows, Linux, and AWS-based systems to ensure high availability, scalable solutions, and optimized performance.
- Provided Tier 2 technical support for cloud technologies, system errors, software bugs, and debugging automation workflows.
- Monitored system performance and troubleshoot infrastructure issues to maintain a secure, efficient cloud environment.
- Collaborated with senior IT staff on cloud-based infrastructure maintenance and security best practices.
- Provisioned virtual machines with VMware, VirtualBox, and AWS, enabling automated cloud scalability.

PROJECTS

AI Forex Trading Bot (Python, RL) | Miami, Florida

January 2025

- Optimized trend-following strategies by developing a PPO-based trading bot using Stable-Baselines3 with OpenAI Gymnasium, integrating custom neural networks and reward shaping.
- Integrated TensorFlow and PyTorch for deep-learning model development, processing 10+ years of

historical market data.

- Accelerated trading execution by implementing GPU-optimized neural networks with DirectML, outperforming manual trading in speed and decision accuracy.
- Automated economic calendar updates with yfinance, increasing real-time market responsiveness.

Order Fulfillment & Tracking System (Python)| Miami, Florida

May 2025

- Improved order processing efficiency by developing a serverless tracking system using AWS Lambda, Terraform, Step Functions, and Docker, reducing processing time by 70%.
- Streamlined deployment workflows by implementing CI/CD pipelines with GitHub Actions and Jenkins, decreasing deployment time by 83%.
- Designed scalable REST API integrations to enhance seamless order fulfillment and shipment tracking, ensuring reliable data flow across systems.

ACTIVITIES AND LEADERSHIP

- FIU Honors College Member
- picoCTF Capture the Flag Games with Kali Linux