

# STEFAN DAVIS

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## OBJECTIVE

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Aspiring Cloud Engineer with hands-on experience in automation, Python, and cloud technologies. Currently pursuing AWS Cloud Practitioner certification to refine expertise in scalable solutions. Seeking an opportunity to apply problem-solving and technical skills in a growth-driven team.

## EDUCATION

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### Bachelor of Science, Information Technology

May 2027

Florida International University (FIU); Miami, Florida

GPA: 3.92

## TECHNICAL & RESEARCH SKILLS

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- ☐ Programming: Python, Java
- ☐ Cloud & DevOps: AWS, Terraform, Docker, Kubernetes
- ☐ Automation & Testing: Selenium, Pytest, Postman
- ☐ Development Tools: GitHub, Git, Jenkins
- ☐ Certifications: AWS Cloud Practitioner (in progress)
- ☐ Agile: Azure DevOps, Boards, Scrum, Kanban, iterative workflows for collaboration
- ☐ Operating Systems: Linux (Ubuntu, Kali), Windows
- ☐ Virtualization: VMware, VirtualBox
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- ☐ IT Support: L2 troubleshooting and debugging

## EXPERIENCE

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### Junior Systems Administrator (Part-Time) – Eight Twelve Consulting LLC, West Palm Beach, FL

March 2025 – Present

- Manage and maintain Windows, Linux, and AWS-based systems to ensure high availability and performance.
- Provide Tier 2 technical support for escalated user issues, including system errors, software bugs, and code debugging
- Monitor system performance, troubleshoot issues, and help implement solutions to maintain a secure and efficient IT environment.
- Work alongside senior IT staff on infrastructure maintenance
- Assist in deploying virtual machines using VMware and VirtualBox; support cloud-based tasks in AWS.

## PROJECTS

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

January 2025

- Developed a PPO-based trading bot with custom neural nets and reward shaping for trend capture
- Built an autonomous GPU-accelerated neural network with DirectML, that outperforms manual trading in speed and efficiency
- Processed 10 years of historical market data from yfinance and integrated Fed economic calendar
- Utilized TensorFlow and PyTorch for model development

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

May 2025

- Developed an automated order tracking system using Terraform, REST API, AWS Lambda, Step Functions, and Docker to optimize shipping workflows
- Designed and implemented CI/CD pipelines using GitHub Actions and Jenkins for seamless deployment, cutting deployment time by 83%
- Streamlined order fulfillment processes by leveraging serverless architecture, enhancing scalability and efficiency

## ACTIVITIES AND LEADERSHIP

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