

# ANDREW CASTOR

**Cybersecurity & Infrastructure Engineer** · Cloud Security · Healthcare IT · Network Infrastructure

Relocating to Orlando, FL (June 2026) · JohnAndrewCastor@gmail.com · 321-462-2288

[linkedin.com/in/jandrewcastor](https://www.linkedin.com/in/jandrewcastor) · [github.com/osakhra](https://github.com/osakhra) · [andrewcastor.dev](https://andrewcastor.dev)

U.S. Citizen — Eligible for Security Clearance

## PROFESSIONAL SUMMARY

---

Infrastructure and security engineer with 2+ years deploying healthcare IT and secure networks in production and austere field environments. Built end-to-end offline-capable EMR systems, hardened access controls, and trained 50+ users. CompTIA Security+ and Network+ certified. Pursuing B.S. Information Technology at UCF (NSA CAE-CD) with accelerated M.S. Cyber Security & Privacy track. Targeting cybersecurity, cloud, and information security analyst roles.

## WORK EXPERIENCE

---

**Medical Missionaries of Divine Mercy** — Houston, TX

**Lead Systems Engineer / Implementation Lead** · 2023 – Present

- Led end-to-end deployment of offline-capable EMR (OpenEMR migrated from XAMPP to Linux VM), replacing 20+ years of paper-based workflows across 5 buildings and 4 clinical departments.
- Designed and deployed a 50,000 sq. ft. Wi-Fi 6 mesh network using business-grade infrastructure hardware.
- Implemented RBAC, ACLs, TLS/HTTPS encryption, and least-privilege access controls; engineered secure cloud sync via Microsoft Entra ID and SharePoint.
- Mapped workflows across Registration, Triage, Medical, Dental, PT, and Counseling; delivered go-live support and trained 50+ users, reducing patient intake delays by 30–40%.
- **Costa Rica Field Deployment (April 2026):** Deployed offline LAN running OpenEMR and OpenMRS in austere, no-internet environment supporting full-cycle traveling clinic operations.

## CERTIFICATIONS

---

CompTIA Security+ · CompTIA Network+ · Google IT Support Professional Certificate · **In Progress:** Microsoft AZ-500

## EDUCATION

---

**University of Central Florida** — Orlando, FL · B.S. Information Technology (CECS) · *Expected Fall 2028* · Accelerated M.S. Cyber Security & Privacy track

**Houston Community College** — Houston, TX · A.S. General Science (*Expected Aug 9, 2026*) · A.A.S. Artificial Intelligence (*GPA 3.8, National Honor Society, Conferred 2025*)

## TECHNICAL SKILLS

---

**Cloud & Security:** Microsoft Azure · Entra ID · Microsoft 365 · SharePoint · IAM/RBAC · ACLs · TLS/HTTPS · least-privilege design · vulnerability management

**Infrastructure:** LAN/WAN · Wi-Fi 6 mesh · DHCP/DNS · Active Directory · Linux server administration

**Healthcare IT:** OpenEMR · OpenMRS · XAMPP · offline-first clinical systems

**Programming & Tools:** Python · C# · PowerShell · SQL · Git/GitHub · AWS (learning) · Splunk SIEM (home lab) · TryHackMe SOC L1

## PROJECTS

---

**AI-Based Fall Detection System** (*Academic*) — Real-time fall detection model using TensorFlow Lite on Raspberry Pi 5; deployed inference to a Flutter mobile app for real-time alerts.

**NewsBot 2.0** — NLP and sentiment analysis pipeline for news classification using Python.

**Emergency Evacuation Guidance Device** (*Academic*) — Battery-powered embedded system on Raspberry Pi 4 with real-time temperature sensing and Dijkstra's algorithm-based dynamic route rerouting.