

# Alexander Arroyave-Gomez, B.S.

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## EDUCATION

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### M.S in Applied AI & Internet of Things (IoT):

August 2025 - July 2026

Florida International University, Miami, FL

- M.S in Applied AI & Internet of Things (IoT)

### B.S. in Internet of Things (IoT)

June 2021 - December 2024

Florida International University, Miami, FL

- GPA: 3.7, Magna Cum Laude

## TECHNICAL SKILLS

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**Cloud Platforms:** AWS, Microsoft Azure (AZ-900), Azure Active Directory

**Cybersecurity:** SentinelOne (EDR), Proofpoint Admin, Security Governance, SOC 2 Compliance & Evidence

**Languages:** Python, C, C++, Java, Bash/Zsh, SQL, Rust, R, Go, Scala, Spanish

**Software & Tools:** Jira, Mobile Device Management (MDM), Cisco Meraki, FortiGate, Okta, Google Workspace, Windows, macOS, Linux

**Systems & Infrastructure:** Network Configuration, Infrastructure Deployment, System Design, System Implementation, Troubleshooting, Automation Scripting, Project Management, Change Management, Access & Privilege Management, SOC2 Evidence

## SUMMARY

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Results-driven professional with a B.S. in Internet of Things (IoT) and foundational experience in systems implementation, cloud computing, and cybersecurity, seeking to leverage technical skills in a System Engineer role. Proficient in providing technical support, troubleshooting, and managing system deployments, with a strong commitment to continuous learning and problem-solving demonstrated through relevant coursework, personal projects, and industry certifications including AWS Cloud Practitioner, Azure Fundamentals, GIAC Cloud Security Essentials, and AWS Solutions Architect Associate

## CERTIFICATIONS

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GIAC Cloud Security (GCLD)

AWS Certified Cloud Practitioner

MS Azure Certified (AZ-900)

AWS Certified Solutions Architect - Associate (Expected 6/25)

## PROFESSIONAL EXPERIENCE

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### Propelus, Jacksonville Beach, FL

August 2022 - Present

#### IT Engineer I

- Implement and configure Endpoint Detection and Response (EDR) architecture using SentinelOne, enabling automated threat detection and response systems contributing to a 40% reduction in security incidents
- Plan, design, and execute a critical domain migration project, transitioning 100% of employee email accounts to a new platform to enhance security posture and standardize email infrastructure
- Install, configure, and upgrade network infrastructure across offices in Florida and Colorado, including access points (Cisco Meraki), firewalls (FortiGate), patch panels, and UPS systems
- Configure and deploy technical solutions for over 300+ devices and networks across multiple locations, utilizing Mobile Device Management (MDM) to create a scalable, secure infrastructure for distributed systems
- Develop and deploy custom automation scripts to revise IT workflows, increasing operational efficiency and reducing manual configuration time
- Deliver critical incident response during a major outages and emergencies

- Serve as global administrator across organizational platforms, managing user access privileges for Google Workspace, Okta, and other critical applications, ensuring compliance to modern identity and access standards
- Utilize Jira to track tickets, lead engineering projects, and document user stories, implementing structured workflows improving project visibility and team accountability
- Collaborate cross-functionally with multiple teams to deliver technical solutions meeting internal and external customer requirements, providing bilingual technical support as needed

## PROJECTS

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### **Smart IoT-Based Liquid Dispenser| Jacksonville, FL**

***Group Leader***

**August 2024 - December 2025**

- Engineered a comprehensive IoT solution with real-time monitoring capabilities using ESP8266 microcontrollers, ultrasonic sensors, and precision pump controls, showcasing applicable embedded systems integration
- Developed robust C/C++ firmware with error-handling protocols and failsafe mechanism, ensuring 99.7% operational reliability under varying environmental conditions
- Implemented secure cloud connectivity architecture for remote monitoring and control
- Documented comprehensive technical specifications, system architecture, and test protocols following engineering best practices, producing publication-quality documentation