
Luis Alberto Colón

Software Developer | MSIT Candidate | React, Next.js, TypeScript, Python & SQL

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PROFESSIONAL SUMMARY

Graduate Information Technology student with a Bachelor's Degree in Information Technology focused on Software Analysis and Development. Experienced with React, Next.js, TypeScript, Python, SQL, REST APIs, cloud labs, troubleshooting, and technical documentation. Interested in building practical, user-friendly web applications for education-focused organizations, small teams, and mission-driven startups.

TECHNICAL SKILLS

Programming & Web Development: JavaScript, TypeScript, Python, HTML, CSS, React, Next.js, Node.js

Backend & APIs: REST APIs, API design, backend logic, data modeling, FastAPI, SQLAlchemy

Databases: SQL, SQLite, relational database concepts, database design, database management

Cloud & Infrastructure: AWS EC2, IAM, VPC, CloudWatch, Route 53, load balancing, auto scaling concepts

Tools & Platforms: Git, GitHub, VS Code, Postman, Tableau, PowerShell, Linux, Windows

Development Skills: Debugging, performance troubleshooting, feature planning, testing, documentation, UI planning

Collaboration Skills: Startup adaptability, technical communication, user-focused thinking, workflow design

EDUCATION

Master of Science in Information Technology

University of West Florida - Expected December 2026

Relevant Coursework: Cloud Architecture, Database Systems, Operating Systems, Cybersecurity, Networking, Systems Analysis, Data Visualization, Information Technology Management

Bachelor's Degree in Information Technology

NUC University - Puerto Rico | Concentration: Software Analysis and Development

Relevant Coursework: Computer Programming Logic, Database Design, Operating Systems and Architecture, Analysis Design and Implementation Systems, Object-Oriented Programming, Web Page Design, Web Technology, Software Quality Control and Testing, Software Development for Mobile Devices, Advanced Web Application Programming, C# Programming, Database Management

RELEVANT PROJECTS

NodeLink SMB Security Posture Scanner

Full-Stack Security Assessment Web Application

- Developed a full-stack web application concept that allows small business users to enter a domain and receive a lightweight external security posture report.
- Built frontend workflows using Next.js, TypeScript, and Tailwind CSS for a polished, demo-ready user experience.
- Designed backend scan logic for passive DNS, email security, SSL/TLS, HTTP security headers, HTTPS redirects, and common exposed port checks.
- Created a 0-100 risk scoring model that translates technical findings into business-friendly results.
- Structured findings by severity level and generated plain-English remediation guidance for non-technical users.
- Designed PDF report generation with executive summary, findings table, risk score, remediation steps, and NodeLink Technologies LLC branding.
- Applied secure design boundaries by limiting the tool to passive or low-impact public infrastructure checks only.
- Demonstrated full-stack development, product architecture, cybersecurity awareness, and practical business problem-solving.

AWS Cloud Architecture Labs

Academic Cloud Infrastructure Projects

- Built and configured cloud infrastructure using Amazon EC2, VPCs, IAM roles, security groups, and CloudWatch.
- Completed hands-on labs involving web server deployment, database server setup, load balancing, and auto scaling.
- Configured cloud networking components including subnets, route tables, internet gateways, and security groups.
- Documented lab processes, configuration decisions, technical challenges, and real-world use cases.
- Applied cloud concepts to realistic application hosting, scalability, monitoring, and infrastructure troubleshooting scenarios.

Tableau Data Visualization Dashboard

Academic / Group Project

- Collaborated on a technical and creative data visualization project using Tableau.
- Built dashboard components with multiple visualizations to communicate trends and insights clearly.
- Helped structure visual storytelling around the dataset using charts, filters, and organized dashboard views.
- Contributed to dashboard design and presentation materials for a non-technical audience.

PROFESSIONAL EXPERIENCE

Founder / IT Support & Systems Builder

NodeLink Technologies LLC - Tampa, FL | 2025 - Present

- Built and planned IT service offerings for small businesses, including endpoint management, cybersecurity, cloud support, backups, and technical support workflows.
- Researched and configured MSP tools including Atera, SuperOps, Acronis Cyber Protect, Microsoft 365, Pax8, and related service platforms.
- Created internal documentation, onboarding workflows, service templates, and troubleshooting guides.
- Troubleshot software, endpoint, network, and cloud-related technical issues.
- Designed service processes with a focus on clear communication, reliability, and business value.
- Developed technical documentation for both technical and non-technical audiences.
- Built practical experience working independently in a startup-style environment requiring prioritization, research, and fast learning.

Tactical Power Generation Specialist

United States Army | 2015 - 2021

- Performed maintenance, diagnostics, and repair on tactical power generation systems, power distribution equipment, internal combustion engines, and related electrical components.
- Troubleshot generators, starters, alternators, voltage regulators, switches, control circuits, and fuel-related systems in operational environments.
- Applied technical manuals, maintenance procedures, safety standards, and quality control practices during inspections and repairs.
- Documented maintenance actions, equipment issues, service status, and corrective actions.
- Provided technical guidance to junior Soldiers and supported team-level maintenance operations.
- Developed transferable skills in troubleshooting, documentation, reliability, leadership, and operational problem-solving.

Information Technology Graduate Student

University of West Florida | 2024 - Present

- Completed hands-on assignments involving AWS cloud infrastructure, databases, operating systems, networking, and cybersecurity.
- Built technical reports and lab reflections explaining processes, challenges, and real-world applications.
- Applied troubleshooting skills to resolve configuration, deployment, and system design issues.
- Worked on group projects involving technical analysis, data visualization, dashboard design, and presentation development.
- Practiced explaining technical concepts clearly for academic, business, and user-focused audiences.

RELEVANT STRENGTHS FOR TOP TUTORS FOR US

- Able to develop and maintain web application features using modern web technologies.
- Comfortable troubleshooting bugs, improving workflows, and supporting application performance.
- Strong interest in education-focused technology and platforms that support student success.
- Capable of learning new tools quickly and contributing in a small startup environment.
- Able to communicate technical concepts clearly with both technical and non-technical team members.
- Experience planning features related to dashboards, user accounts, reporting, APIs, backend data, and PDF reporting.

HANDSHAKE SUMMARY

Graduate Information Technology student with a Bachelor's Degree in IT focused on Software Analysis and Development. Experienced with React, Next.js, TypeScript, Python, SQL, AWS labs, troubleshooting, and full-stack project design. I enjoy building practical web tools, solving technical problems, and supporting mission-driven platforms that improve access to education and student success.