JOHN MICAH MERCADO

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Information Technology Professional

CompTIA A+, Network+, Server+, and Security+ certified IT professional with a Bachelor of Science in Information Technology and hands-on experience spanning software development, cybersecurity, networking, systems, and AI integration. Experienced in developing applications using Java, Kotlin, C#, JavaScript, React, TypeScript, Express, and SQLite3, with practical experience in GitHub, Linux, Wireshark, web technologies, and database-driven applications. Demonstrated cybersecurity capabilities through hands-on vulnerability testing, network traffic analysis, session-security testing, SQL injection remediation, and controlled penetration-testing labs. AI Integration Specialist Intern with experience applying AI-assisted development tools and generative AI to software development and digital content workflows. Brings four years of U.S. Army technical maintenance experience with proven strengths in systematic troubleshooting, root-cause analysis, technical documentation, team leadership, and problem resolution. Prepared to contribute to IT support, systems administration, network operations, cybersecurity, or technical development environments.

CERTIFICATIONS

- CompTIA A+ **09/2026**
- CompTIA Network+ **09/2026**
- CompTIA Server+ **09/2026**
- CompTIA Security+ **12/2024**
- CompTIA CySA+ **10/2026**

TECHNICAL SKILLS

Programming: Java, Kotlin, C#, JavaScript, TypeScript, HTML, CSS, SQL
Frameworks/Technologies: React, Express, SQLite3, Jetpack Compose
Cybersecurity: Wireshark, Network Traffic Analysis, Vulnerability Assessment, SQL Injection, Session Security, WAF, Secure Coding, Penetration Testing
Networking: TCP/IP, LAN, Network Troubleshooting, Packet Analysis
AI/Automation: Gemini, Cursor, Antigravity, AI-Assisted Development, Generative AI, Prompt Engineering
Development Tools: Git, GitHub, GitHub Pages
Concepts: Object-Oriented Programming, Database Development, Data Validation, Systems Administration, Cloud Computing, Intrusion Detection, Digital Forensics

PROJECTS

Web Development Projects (*Personal, JavaScript, HTML, CSS)* **July 2026**
• Passenger counter app with real-time count updates using HTML/CSS/JavaScript.
• Browser-based Blackjack game with player-vs-dealer logic and score tracking.
• Chrome extension for capturing and exporting sales leads from web pages.
• Personal portfolio website built with HTML/CSS and hosted on GitHub Pages.
• Developed a full-stack web application Rock Paper Scissors game using Express, React, TypeScript, and SQLite3.

FinCal: Financial Calculator App (*Personal, Java/Kotlin*) **May 2026 – July 2026**
• Building an Android app with financial calculators covering mortgage, investment, retirement, and tax planning.
• Implementing core financial formulas including compound interest, loan amortization, and ROI using Java and Kotlin.
• Designing category-based UI navigation with Jetpack Compose and input validation.
• Managing project in GitHub for version control, tracking, and app distribution.

Customer Churn Pipeline (*Personal, C#)* **March 2026 – March 2026**
• Built a C# application using classes and collections to read, parse, and process customer data from CSV files, including product lists and engagement metrics.
• Developed logic to analyze user behavior — login frequency, spending, tenure, and support issues — to identify customers at high risk of churn.
• Implemented file handling, data validation, and input/output operations to clean, structure, and analyze customer records.

Cybersecurity Projects **June 2024 – December 2025**

• Set up packet sniffing with Wireshark to capture HTTP/HTTPS traffic, extracted session cookies, and demonstrated real-world session replay attacks before applying encryption and secure flag configurations.
• Deployed reverse TCP payloads on target machines using custom Python scripts, established persistent channels, and executed post-exploitation data exfiltration in controlled lab environments.
• Conducted live session hijacking demonstrations using stolen cookies and session tokens, then implemented secure session management with rotation, expiration policies, and fingerprinting to prevent unauthorized access.
• Performed hands-on SQL injection attacks on vulnerable test environments and implemented parameterized queries, input validation, and WAF rules to remediate identified vulnerabilities.

EDUCATION AND TECHNICAL TRAINING

Star V Learning Centers | Jacksonville, FL **08/2026 – 10/2026**
CompTIA Career Development Program
Objectives: CompTIA A+, Network+, Server+, Security+, Linux+, Cloud+, and CySA+.

University of North Florida | Jacksonville, FL **07/2026**
Bachelor of Science in Information Technology
Coursework: Computer Networks, Cloud Computing, Cybersecurity Systems, Intrusion Detection, Forensics, Systems Administration, Computer Programming, IT Project Management

PROFESSIONAL EXPERIENCE

IPMD, Inc. | AI Integration Specialist - Internship | Remote **07/2026 – 10/2026**

- Leveraged AI-assisted development platforms, including Cursor and Antigravity, to design, develop, and launch a fully functional website during the onboarding process.
- Integrated generative AI tools into creative workflows, using Gemini to produce custom AI-generated imagery for digital design and content-development projects.
- Utilized Gemini to generate original AI music tracks based on established reference materials, applying AI-assisted workflows to creative content production.
- Evaluated and applied multiple AI platforms to accelerate development, automate creative tasks, and enhance digital content-production workflows.
- Developed and refined AI prompts and workflows to produce targeted outputs aligned with project requirements, creative objectives, and reference materials.
- Adapted AI-generated content through iterative testing, refinement, and quality review to improve accuracy, consistency, and alignment with project specifications.

U.S. Army | Wheeled Vehicle Mechanic| Various Locations **08/2018 – 09/2022**

- Maintained, inspected, and repaired tactical wheeled vehicles, heavy transport trucks, armored personnel carriers, and material-handling equipment to ensure operational readiness and mission availability.
- Led teams of mechanics during special missions, coordinating equipment recovery, diagnostics, repairs, and maintenance operations in austere and high-risk environments.
- Executed scheduled and mission-critical maintenance within strict deadlines, prioritizing workload and resources to complete repairs ahead of operational requirements.
- Diagnosed and troubleshot complex mechanical, electrical, powertrain, and fuel-system failures using systematic fault-isolation and problem-solving techniques.
- Collaborated with cross-functional maintenance and operational teams to identify equipment failures, determine root causes, and implement effective corrective actions.
- Performed preventive maintenance checks and services (PMCS), identifying potential equipment failures and completing corrective maintenance before issues affected mission capability.
- Applied technical manuals, maintenance procedures, and equipment specifications to diagnose problems, perform repairs, verify equipment functionality.
- Maintained compliance with safety procedures, hazardous-material handling requirements, and risk-mitigation protocols to protect personnel, equipment, and operational environments.

REFERENCES

Available Upon Request.