

Celeste Amador Montero

Turning Curiosity into Code

Software Development | Automation & Data | Cybersecurity

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SUMMARY

Engineer and problem-solver across software development, automation, data, and cybersecurity. CompTIA and ISC2 certified, with hands-on experience in Python automation, API/database testing, RAG/AI workflows, and OSINT driven security research. Fast learner and polyglot communicator, with a foundation in engineering and classical piano.

CERTIFICATIONS

CompTIA Security+ (Apr 2025) • CompTIA Network+ (Sep 2025) • CompTIA CySA+ (expected Jun 2026) • ISC2 Certified in Cybersecurity (Sep 2024)

TECHNICAL SKILLS

Programming & Scripting: Python, Java (Spring Boot), C++, Solidity, SQL, JavaScript, Bash, PowerShell, HTML/CSS

Data & AI: Data analysis (Python, SQL), RAG pipelines, Vector embeddings (Qdrant), Workflow automation (n8n)

Cloud & DevOps: Podman, Docker, AWS, Azure, GCP, Git/GitHub, CI/CD pipelines

APIs & Testing: REST API design & testing (Postman, Insomnia), regression testing

Cybersecurity: Threat Intelligence, SIEM (Elastic, Wazuh), Pentesting (Burp Suite, Metasploit, Nmap), OSINT (Shodan, Spiderfoot), Frameworks (NIST, MITRE ATT&CK, OWASP Top 10)

Systems & Networking: Linux (Fedora, EndeavorOS, Debian, Ubuntu, Kali, Parrot), Windows (Active Directory & Policy Management), Wireshark, Cisco Packet Tracer

Languages: Spanish, English, German

EXPERIENCE

Old Town Music School (OTMS) — Alexandria, VA

Jun 2026 – Present

IT Consultant & Web Developer

- Leading migration off an outdated WordPress deployment to a new hosting provider and a more secure, higher-performance architecture, mapping databases and optimizing server configuration.
- Redesigning the school's website and building a new inquiry-management workflow to streamline how prospective-student requests are captured and handled.
- Managing domain registration, hosting integration, and access control to keep operations uninterrupted and digital assets secure.

Solutions in Technology and Cybersecurity (STC) — Mexico City, MX (Remote)

Jun 2025 – Jan 2026

Security Research Intern (Threat Intelligence, Automation & Engineering)

- Analyzed web protection mechanisms (Cloudflare, anti-bot systems) as part of authorized security research, developing standardized procedures that bypassed ~75% to assess detection effectiveness.
- Conducted open-source intelligence (OSINT) investigations using cyber-intelligence tools, producing actionable insights through improved data correlation.
- Designed and deployed Python automation scripts that strengthened data collection and correlation, cutting manual investigation time by 80%.

Cybersecurity Academy — Mexico City, MX (Remote)

Oct 2024 – Apr 2025

Technical English Instructor

- Designed and delivered a 16-week technical English course for 50+ IT professionals (Cybersecurity/IT terminology and documentation), improving comprehension of key terms by 30%; supported students across Moodle, Canvas, and Teams, resolving 98% of access issues.

PROJECTS

API Database Communication | Microsoft SQL Server, SSMS, Postman

- Validated API-to-database communications end to end, using Postman for regression testing to verify data integrity and security.
- Built standardized integration procedures between Visual Studio and Microsoft SQL Server, identifying and reducing backend latency.

Data Input & Retrieval RAG System | n8n, Qdrant (embeddings)

- Built and tested a Retrieval-Augmented Generation (RAG) system, reaching an 89% accuracy benchmark through systematic testing of PDF data extraction.
- Automated intake and retrieval of complex technical documentation, reducing time spent on internal data audits.

EDUCATION

B.S. in Computer Systems Engineering (IoT Concentration)

Jun 2023 – Jan 2026

Virtual University of the State of Guanajuato · Coursework: IoT, Embedded Software, Communication & Interfaces, Electronics

Specialization in Web3 Development & Smart Contract Security

Dec 2025 – Sep 2026

Blockchain Accelerator

B.M. in Music (Piano Performance & Pedagogy)

Sep 2012 – May 2018

Autonomous University of Baja California