

JEFFREY MONTOYA

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PROFESSIONAL SUMMARY

Technology professional specializing in Cloud, Cybersecurity, and Networking with hands-on project experience across security assessment, infrastructure deployment, and full-stack development. Strong analytical foundation with Python security tooling, AWS/Azure cloud concepts, and practical experience using Kali Linux for penetration testing and network analysis. Combines technical aptitude with proven operational experience managing CRM/CMS systems for 5,000+ client records. Bilingual (English/Spanish) and ready to contribute to development, cloud, or security-focused teams.

TECHNICAL SKILLS

Cloud & Networking:	AWS (VPC, EC2, IAM, S3, Security Groups), Azure (AZ-900 concepts), LAN/WAN, TCP/IP, DHCP, DNS, IPsec, VPN, Routing, Wireless Security (WAP/WLC), Network Troubleshooting
Security & Pentesting:	Kali Linux, Nmap, Wireshark, Metasploit, John the Ripper, Responder, Recon-ng, CVSS Scoring, OWASP Testing (XSS, CSRF, IDOR, OAuth), Windows Security Policies, GPO, Log Analysis
Programming & Data:	Python, JavaScript, Java, C, HTML/CSS, SQL, REST APIs, Git/GitHub, Data Validation, Random Forest (ML), JSON/Markdown Reporting
Operating Systems:	Windows 10/11, Windows Server 2019/2025, Kali Linux (2019.3–2025.3), Ubuntu
Tools & Platforms:	VirtualBox, VMware, Visio, Salesforce, Lawmatics CRM, Docketwise CMS, QuickBooks, Microsoft 365, Google Workspace
Hardware:	Cisco Routers/Switches, Dell/HP/Lenovo Systems, DSL/Cable Modems, Wireless APs, Cat5/5e/6 Cabling

TECHNICAL PROJECTS

Automated Security Assessment & Penetration Testing Suite — Python • 2025

- Engineered modular Python security testing framework scanning for IDOR vulnerabilities, OAuth/open-redirect flaws, rate-limit bypasses, CSRF/session weaknesses, and XSS/CSP issues.
- Implemented AI-assisted XSS payload generation and brute-force gap detection with configurable safety throttling.
- Generated structured JSON and Markdown vulnerability reports for technical and non-technical stakeholders.

AWS VPC & Cloud Infrastructure Simulation — AWS • 2025

- Designed and deployed Virtual Private Cloud with segmented public/private subnets, custom route tables, and Internet/NAT gateways.
- Configured Security Groups and Network ACLs implementing least-privilege access controls for EC2 instances.
- Practiced IAM user/role management, policy creation, and multi-factor authentication enforcement.

Wi-Fi Network Security Audit — Kali Linux • Wireshark • Nmap • 2024–2025

- Performed comprehensive network reconnaissance using Nmap for host discovery, port scanning, and service enumeration.
- Captured and analyzed network traffic with Wireshark to identify vulnerabilities and unauthorized devices.
- Documented findings including device mappings, open ports, and security recommendations.

ML Sports Analytics Platform — Python • JavaScript • REST APIs • 2024–2025

- Built Python backend using Random Forest ensemble learning for predictive modeling, achieving 74% prediction accuracy.
- Integrated real-time data ingestion from SportsData.io and ESPN APIs with automated data cleaning and validation.
- Developed responsive JS/HTML/CSS frontend with feedback loops for model refinement.

GenZ Mama — Childcare & Parenting Blog Platform — React • TypeScript • Node.js • 2025

- Developing full-stack blog platform using React with TypeScript for type-safe component architecture and Node.js backend.
- Implementing modern UI/UX design optimized for mobile-first parenting audience with content management workflows.
- Deployed via Netlify with CI/CD pipeline for continuous updates; live development at genzmama.netlify.app.

Levelz Barber Studio Website & Security Hardening — HTML/CSS/Node.js • 2025

- Developed responsive business website with Booksy API integration for real-time booking and custom JavaScript workflows.
- Conducted security audit identifying XSS vulnerabilities; implemented security headers, input validation, and HTTPS.
- Applied SEO optimizations and accessibility standards (WCAG) including alt text and contrast compliance.

PROFESSIONAL EXPERIENCE

Freelance Developer & Consultant

Dover, NJ • March 2025 – Present

- Design and deploy web applications using HTML, CSS, JavaScript with AWS-backed infrastructure and Netlify CI/CD pipelines.
- Perform security assessments and implement hardening measures including XSS prevention, security headers, and GDPR compliance.
- Automate business workflows using Python scripting, form integrations, and data tracking systems.

Legal Assistant / Administrative Marketing Assistant

The Scheer Immigration Law Group — Morristown, NJ • November 2022 – February 2025

- Administered CRM (Lawmatics) and CMS (Docketwise) systems managing 5,000+ client records with strict data integrity and versioning.
- Led digital transformation: digitized sensitive legal documents, implemented standardized naming conventions, enforced retention policies.
- Automated reporting workflows and data validation using Excel formulas and Python scripts, reducing manual errors.
- Analyzed marketing performance data and implemented SEO strategies, improving lead quality by 60%.

Operations Manager

CVS Pharmacy — Rockaway, NJ • October 2020 – 2022

- Utilized Salesforce CRM to track and resolve customer experience issues; maintained accurate inventory and compliance records.
- Supported pharmacy tech systems including prescription management and insurance data entry with strict HIPAA compliance.
- Conducted daily audits, managed payroll reconciliations, and maintained detailed operational logs for loss prevention.

Mentor / IT Support Specialist

Dover College Promise — Dover, NJ • January 2019 – November 2022

- Served as sole IT support resource: troubleshoot computer networks, wireless connectivity, and office systems for nonprofit.
- Maintained system reliability, organized shared drives, and ensured secure access to organizational resources.
- Mentored students in technical skills including Microsoft Office, project management, and professional communication.

EDUCATION & CERTIFICATIONS

LasComp Institute of IT — CompTIA Triple Certification Course (A+, Network+, Security+) • Completed November 2025

New Jersey Institute of Technology — Electrical Engineering Coursework (69 credits)

County College of Morris — Business Administration Coursework (Finance focus)

Certifications: CompTIA Security+ (Expected Dec 2025) • AWS Cloud Practitioner (Coursework Completed) • Azure AZ-900 (Expected Jan 2026) • freeCodeCamp JavaScript Algorithms & Data Structures • freeCodeCamp Responsive Web Design

Bilingual: English & Spanish • Full-Time Availability • Portfolio: montjeffrey.dev