Carter Perez

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WORK EXPERIENCE

Sealing Technologies   **July. 2024 – Present**
Integration Tech II   *Columbia, MD*
- Orchestrate and maintain QA processes for custom server builds, meeting tight production timelines and compliance requirements.
- Employ Red Hat Linux to analyze and resolve build issues, testing servers for bandwidth limits, processing speed, and maximum system endurance.
- Upgrade and maintain computer hardware across the facility, ensuring optimal performance and seamless integration with custom server builds.
- Played a key role in consulting on the assembly and logistics of $40m worth of Servers, network switches, and Cyber kits, meeting tight deadlines while streamlining deployment workflows.
- Authored a blog for the company website detailing efficient quality assurance processes for high-stakes assembly projects.

Jimmy Johns   **Dec. 2022 – July. 2024**
General Manager   *Severna Park, MD*
- Supervised 10 staff members, optimizing task delegation and daily procedures for smooth restaurant operations.
- Diagnosed and repaired POS systems and networks across five stores, maintaining service reliability for the franchise.
- Designed and implemented workflow optimizations that reduced labor costs by 9 percent weekly, leading to a more cost-efficient operation.
- Improved delivery times by 8 minutes weekly, securing recognition as the top-performing GM within a 5-store franchise.
- Enhanced team productivity and morale, driving consistent improvements in customer satisfaction ratings with fewer than two complaints per quarter.

CERTIFICATIONS

- CompTIA A+
- CompTIA Security+
- CompTIA Network+
- CompTIA CySA+
- CompTIA PenTest+
- CompTIA CASP+
- Python Institute PCEP

EDUCATION

University of Maryland Global Campus   **May, 2027**
MS, Cyber Security   *Largo, MD*
- Member of the Ethical Hacking Club, contributing to university-wide Capture The Flag (CTF) competitions.
- Volunteer mentor for first-year cybersecurity students, assisting with coding and networking basics.
- Invited speaker at the ISSA UMBC Information Security Summit, presenting a session on mastering CompTIA certification pathways and their career impact.

PROJECTS

- **Project:** ProxyAuthRequired.com – Interactive Cybersecurity Training Web Application.
- **GitHub Repository:** https://github.com/CarterPerez-dev/ProxyAuthRequired

- **Summary:** Developed a comprehensive cybersecurity training platform integrating the OpenAI API, offering features like log analysis labs, compliance-based exams, daily threat updates, a resource hub, and interactive attack simulations for over 5,000 monthly users. The full-stack application is Docker Compose containerized and deployed on AWS EC2, with Apache serving as the application server and Nginx handling reverse proxy tasks such as load balancing and caching. Static assets are stored on AWS S3 to optimize performance. Security is enhanced through TLS encryption via AWS Certificate Manager, role-based access controls, AWS WAF, and encryption best practices. Automated CI/CD pipelines using GitHub Actions to facilitate efficient deployments, while AWS Shield and CloudFront ensure DDoS mitigation and global content delivery, achieving 99.9% uptime.

SKILLS

- **Security & Networking:** Splunk SIEM, AWS WAF & Shield, Eventbridge, Cloudwatch, AWS certificate management, Firewall rule configuration.
- **AWS & DevSecOps:** EC2, S3, CloudFront, Docker, GitHub Actions, Linux CLI.
- **Programming & Scripting:** Python, JavaScript, HTML, CSS, Shell, Regex.
- **Tools:** Nginx, Apache, GitHub, SSL and TLS management, Identity and Access Management, CRM systems.
- **Leadership & Collaboration:** Team building, peer mentoring, certification training, customer satisfaction.
- **IT Governance & Frameworks:** MITRE ATT&CK, ITIL, ISO 27001, COBIT, NIST 800-53, Cyber Kill Chains.