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I am a passionate and driven software engineer with a proven track record of building and explaining complex technical products. My experience includes creating technical resources and educational content, with a focus on AI/ML tools, agents, and infrastructure. I am dedicated to empowering developers and streamlining the development lifecycle from conception to production.

EDUCATION

California State University - Monterey Bay   **December 2024**
B.S., Computer Science
Capstone Award for Innovation (2024)

WORK EXPERIENCE

University of California   **Oakland, CA (Remote)**
Security Engineer   *March 2025 - Present*

– Helped develop standardized workflows and automation for UC-wide vulnerability detection and mitigation across MacOS and Windows endpoints, supporting a systemwide cybersecurity and compliance initiative.
– Investigated security risks in fringe and unmanaged applications, writing custom remediation scripts and policies to address non-standard vulnerabilities, leveraging innovative thinking and advanced troubleshooting skills.
– Built a unified dashboard integrating Rapid7, Jamf, BigFix, and ServiceNow (SaaS), improving threat visibility and enabling more efficient SecOps response through real-time database and asset data aggregation.
– Automated asset tracking and compliance monitoring through cross-platform scripting (Python, Bash, PowerShell), reducing manual workload and improving coverage across multiple operating systems.
– Coordinated with IT teams to align endpoint security practices with compliance standards, streamlining reporting, supporting project management efforts, and improving interdepartmental collaboration in a cloud computing environment.

Great Wolf Resorts   **Chicago Corporate Office (Remote)**
Security Support Engineer   *May 2023 - March 2025*

– Developed and maintained Python automation scripts for hybrid Azure tenant management, deploying updates for Carbon Black agents, Citrix patching, and BitLocker device enforcement across 10,000+ endpoints.
– Automated security certificate deployments using CrowdStrike RTR and PowerShell, preventing service disruptions for critical teams and saving an estimated 200+ hours in manual interventions annually.
– Engineered a PowerShell interface integrated with Microsoft Graph API for managing distribution lists of 10,000+ users, eliminating human error and reducing annual manual workload by 500+ hours.
– Built SQL log query frameworks in Rapid7 with Pandas/NumPy analytics pipelines, creating dynamic visualizations to detect suspicious behavior and inform executive decisions on security posture.
– Led security awareness campaigns via KnowBe4, developing custom Python tools to analyze phishing simulation data, transforming raw metrics into actionable insights that improved employee compliance rates by 25%.

Simple.biz   **Durham, NC (Remote)**
Freelance Web Developer   *August 2022 - May 2023*

– Delivered production-ready websites with optimized performance and SEO enhancements (e.g., alt tags, meta descriptions), incorporating automation scripts for build processes that improved search rankings and client visibility.
– Implemented WCAG/ADA compliance guidelines through automated testing tools like Selenium, ensuring inclusive web applications and boosting usability scores while reducing accessibility-related issues.
– Conducted cross-browser/device compatibility testing with scripted automation, resolving discrepancies and achieving a 30% decrease in user-reported issues across platforms.

TECHNICAL SKILLS

Programming Languages: Bash, C/C++, PowerShell, Java, Python, Swift, TypeScript, SQL

Frontend: React.js, MUI, Vue.js, Vite, Tailwind CSS, Next.js

Backend: FastAPI, Node.js, RESTful & GraphQL API Development, Django, Flask, Express.js, Spring Boot, .NET

Cloud & DevOps: Lambda, Ansible, AWS, Terraform, CI/CD (GitHub Actions, Jenkins), Kubernetes (K8S), Docker, Azure

AI & LLM Tools: MLX, Vector Databases (Chroma, Pinecone), Ollama, LM Studio, LangChain, Claude Code

Automation & Productivity: Crontab, Postman, GitHub Copilot, Selenium, Raycast, PowerToys, Git, Shell Scripting

Security & Operating Systems: Wireshark, Jamf, Kali Linux, Rapid7, OWASP Top 10, Metasploit, TCP/IP Networking, Vulnerability Management, CrowdStrike, Incident Response, BigFix, Web Security Testing (Burp Suite Pro, Nessus, Nmap), API Security, ServiceNow

Databases: Snowflake, MySQL, PostgreSQL, Neo4j, MongoDB, Databricks, DynamoDB

CERTIFICATIONS

AWS Certified Cloud Practitioner   *January 2025*