

ADRIAN LYONS

CYBERSECURITY | CLOUD & DEVOPS | IT INFRASTRUCTURE | AUTOMATION

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PROFESSIONAL SUMMARY

Cybersecurity, cloud, IT infrastructure, and automation professional with hands-on experience supporting secure business systems, Windows/Linux environments, networks, firewalls, VPNs, access controls, monitoring, backups, troubleshooting, and vendor coordination. Builds Python- and REST API-based automation systems with structured logging, exception handling, retries, state persistence, safeguards, and automated recovery. Practical AWS experience includes EC2, VPC, S3, EFS, Auto Scaling, ECS, CloudFormation, CloudWatch, CloudTrail, GuardDuty, IAM, KMS, load balancing, and disaster-recovery concepts. Bachelor of Science in Cybersecurity; Master of Information Technology in progress.

CORE TECHNICAL AREAS

Cybersecurity & Security Operations • AWS & Cloud Infrastructure • IT Infrastructure • Network Security • Windows & Linux • Python & REST APIs • FastAPI • Automation • Monitoring & Logging • Containers & Virtualization • DevOps Fundamentals • Firewalls & VPN • IAM & Access Control • Vulnerability Assessment • Incident Response • Risk Management • Technical Support

TECHNICAL SKILLS

Cloud / Infrastructure: AWS: EC2, VPC, S3, EFS, Auto Scaling, ECS, CloudFormation, CloudWatch, CloudTrail, GuardDuty, IAM, KMS; virtualization, backups, disaster recovery

Security / Networking: Wireshark, Burp Suite, Metasploit, SolarWinds, SCOM, vCops; LAN/WAN, IP routing, VPN, firewalls, secure Wi-Fi, encryption, access controls

Automation / Development: Python (developing proficiency; AI-assisted), REST APIs, FastAPI, basic shell scripting; Selenium WebDriver and Playwright working knowledge

Platforms / DevOps: Windows, Linux, Unix, macOS; Git fundamentals; containers, CI/CD, Kubernetes and GitOps — continuing hands-on development

AI / Productivity: ChatGPT, Claude, Microsoft Copilot, Google Gemini for technical research, troubleshooting, coding assistance, analysis, and documentation

SELECTED AUTOMATION PROJECTS

Secure API Trading & Monitoring Platform | Independent Project

- Built a Python/API automation platform integrating Coinbase Advanced Trade and external market-intelligence services, with continuous scanning, position monitoring, asynchronous workflows, and configurable paper/live operating modes.
- Engineered reliability and security controls including credential isolation, input validation, structured logging, state persistence, timeout/retry handling, duplicate-order prevention, watchdog recovery, process supervision, and configurable risk/treasury limits.

Job Application Analysis & Automation API | Independent Project

- Developed a FastAPI-based service for analyzing job descriptions, scoring role alignment, discovering and saving opportunities, and supporting browser-automation workflows with Playwright.
- Implemented API endpoints, structured job/profile data, filtering and deduplication logic, SQLite-backed workflow concepts, and local service operation with Uvicorn.

PROFESSIONAL EXPERIENCE

Cybersecurity Analyst / IT Support | Americas Diamond & Jewelry Exchange — Lewisville, TX | Present

- Maintain and troubleshoot business technology, network connectivity, secure Wi-Fi, firewalls, encryption, access controls, and end-user systems; support POS security, patching, malware protection, backups, monitoring, and controlled access.
- Document network and hardware/software environments, support reporting and virtual infrastructure monitoring, and coordinate infrastructure, cloud, managed-service, and technology vendors.

Senior IT Security Specialist | SLB Health Services — Dallas / Mesquite, TX

- Supported security analysis, mitigation, incident-management improvement, encryption, MFA, access controls, EHR protection, anti-malware, backups, disaster recovery, and HIPAA-aligned data handling.

- Evaluated infrastructure and project activities against security standards, performed gap analysis, supported assessments, and worked with owners and vendors on mitigation.

Blockchain Security Engineer / Technical Support | Blockchain Solutions LLC (BlocSOL) — Richardson, TX

- Built, configured, tested, repaired, and troubleshoot Avalon, Bitmain, and GPU mining systems; supported mining software and GPU/CUDA configuration and optimization.
- Monitored networking, server, messaging, and computing infrastructure, reviewed security alerts, resolved client technical issues, and recommended security and risk-management improvements.

EDUCATION

Master of Information Technology — University of Phoenix — In Progress

Bachelor of Science in Cybersecurity — University of Phoenix

Electrical Engineering Technician — ITT, 1997

PROFESSIONAL DEVELOPMENT

CompTIA Security+ — In Progress • Certified Ethical Hacker (CEH) — In Progress