

# Wayne Howlett

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**Summary** - Highly motivated, security-focused engineer with a background in API, cloud, and full-stack development, pursuing a Junior Security Engineer role that blends application/cloud and infrastructure/network security. Naturally drawn to security as a series of puzzles, enjoys following trails through logs, diagrams, and code to understand how systems really work and where they can break. Built and secured a modern web application with centralized monitoring for servers and remote endpoints and is actively pursuing CompTIA Security+ and CySA+ while working toward a long-term Security Architect path. Open to remote and hybrid roles and comfortable working independently in online, distributed environments.

## Core Skills / Keywords -

- **App & Cloud Security:** API and web app security (Next.js, JS/TS), auth/authorization, input validation, secure data handling, and cloud security fundamentals (identity, network, logging, encryption).
- **Network & Systems Security:** TCP/IP, DNS, HTTP/HTTPS, subnets, routing, segmentation, firewall/ACL rules, system hardening, Linux, packet analysis with Wireshark, network scanning with Nmap, exploitation labs with Metasploit.
- **Monitoring & Incident Response:** Centralized logging and monitoring with Wazuh and Splunk; log review for suspicious patterns and IOCs; incident triage, containment, and eradication in lab scenarios; vulnerability assessment and documentation.
- **Architecture, GRC & Design:** Threat modeling, trust boundaries, Zero Trust and least privilege concepts, risk-based thinking, security documentation, diagrams, UI/UX-aware design for security dashboards and portfolio content.
- **Tooling & Professional:** Python scripting, Git/GitHub workflows, Linux CLI, technical reports, slide decks, video walkthroughs, and disciplined, safety/compliance-focused work habits from commercial driving.

## Projects -

### SecurePath Portfolio – Secure Web Application & Endpoint Monitoring | Personal

- Built and deployed [ihowlett.com](http://ihowlett.com) using Next.js, custom APIs, and Git/GitHub to showcase engineering and security work, applying secure web and API design patterns.
- Integrated Wazuh for centralized monitoring of Linux servers and remote endpoints (laptops, desktops, phones) on different networks, designing basic rules and dashboards for log and alert review.

### Network Diagramming Lab | Flatiron School

- Modeled a small enterprise network (users, apps, infrastructure, DMZ, internal segments) with diagramming tools, identifying trust boundaries, choke points, and potential attack paths.

### Incident Response Lab | Flatiron School

- Investigated a simulated compromise using Wireshark, Splunk, and Linux CLI to follow attacker activity in logs and traffic, then documented findings and remediation steps in a report and short presentation.

### Security Assessment Lab | Flatiron School

- Performed a basic security assessment of a lab environment using Nmap and Metasploit to identify exposed services and vulnerabilities, prioritizing issues and proposing mitigations in a structured report.

## **Experience -**

### **Truck Driver | Fresh Freight | Phoenix, Arizona | Aug 2023 – Present**

- Operate and maintain commercial vehicles while meeting delivery deadlines and complying with DOT regulations and company policies.
- Perform inspections, troubleshooting, and documentation to reduce incidents and downtime.
- Maintain detailed logs and records supporting accuracy, accountability, and compliance.
- Coordinate with dispatchers, warehouse teams, and customers in time-sensitive situations.
- Apply a strong safety, compliance, and risk-management mindset transferable to security operations and engineering.

## **Education -**

**Certificate in Cybersecurity Engineering** | Flatiron School (Online Bootcamp) | Expected July 2026

**Associate of Arts, Full Stack** | Santa Rosa Junior College | May 2023

**Associate of Arts, Web + Multimedia** | Santa Rosa Junior College | May 2023

**Computer Science Coursework** | Arizona State University | 2023–2025, program paused

### **Certifications**

- CompTIA Security+ - In progress, target June 2026.
- CompTIA CySA+ - Planned, target July 2026

## **Portfolio & Further Information -**

- Full project write-ups, lab summaries, and coursework details are available at [ihowlett.com](https://ihowlett.com).