JASON RAYNE

Business Owner // Technical Director // Security Researcher

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Vancouver, Washington

OVERVIEW

By nature, I'm a problem-solver with an itch to understand how things work. Some of my best qualities include being proactive, resourceful, and inquisitive. These qualities fuel my passion for technology, cybersecurity, and ethical hacking.

My experience as a small business owner has made me adept at learning new skills quickly, extracting practical business value from IT propositions, and taking a strategic approach to projects without losing sight of the big picture.

CORE COMPETENCIES

- ▸ Administration & Management
- ▸ Security Engineering & Architecture
- ▸ Problem Solving & Troubleshooting
- ▸ Creative, Critical, & Strategic Thinking
- ▸ Vulnerability Analysis & Investigation
- ▸ Planning & Evaluating
- ▸ Decision Making
- ▸ Website Design & Development
- ▸ Integrity, Honesty, & Flexibility
- ▸ Team Leadership & Communication
- ▸ Interpersonal Skills & Teaching Others
- ▸ Attention to Detail
- ▸ Customer Service

CERTIFICATIONS

- ▸ Currently studying for eJPT, will be certified by the end of July 2022

CERTIFICATION ROADMAP

1. SSCP (Q3 2022)
2. OSCP (Q4 2022)
3. CISSP (Q3 2023)
4. GSE (2024 - 2025)

REFERENCES

Gus Prohaszka
President, A23 Technologies
845.612.1408 // gus@a23technologies.com

Chuck Green
Senior Project Manager, Otak
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Lead Technician, Peterson CAT
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PROFESSIONAL EXPERIENCE

Rayne Industries, LLC
2007 - Present
Business Owner // Technical Director // Consultant

I started out as a freelancer before founding Rayne Industries in 2007 to function as a brand for my services.

Client-facing work is either done by myself, in conjunction with a client's in-house team, or by managing a team of subcontractors. I have worked on projects involving development, design, marketing, compliance, support, maintenance, and consulting for over 50 satisfied clients.

Rayne Studios
2018 - Present
Business Owner // Drone Operator // Photogrammetrist

Seeking to add fresh air and physical activity to my workdays, I seized a unique opportunity to leverage my experience as a drone operator. After passing my FAA Part 107 license exam in January 2018, I added Rayne Studios as a DBA and began creating base maps for the architecture, engineering, and construction industries.

I routinely use RTK GPS equipment and cutting-edge photogrammetry software to produce 3D site and corridor maps with sub-inch tolerances. These maps can be used for rework prevention, project tracking & BIM workflows, site plan overlays, and generating earthworks calculations such as grade slopes, elevations, and stockpile quantities.

My services helped to prevent more than $250,000 in rework alone during the construction of the Ridgefield Outdoor Recreation Complex by catching disconnects between plans and construction before they became an issue.

Notable Clients:

City of Hillsboro	City of Vancouver	Portland Intl. Auto Show	Roanwell
City of Ridgefield	TEA Headsets	Opus Events Agency	Otak

Development Project Examples:

Websites	Client portals	Membership sites	Catalog sites
Web apps	E-commerce	Social communities	Relational databases

Deployment environments have included on-premises servers, standard web hosts, dedicated server hosts, and cloud platforms such as AWS and GCP.

Consulting Project Examples:

Facility layout & design	NIST compliance	ERP & POS
Hardware acquisition, integration, & deployment	Architecture & engineering for systems, networks, and security	IT problem-solving

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ETHICAL HACKING BIO

I am passionate about ethical hacking and offensive security, so much so that I spend a good deal of my free time learning and practicing relevant skills. In a perfect world, I would love to become part of a red-team operation.

To prepare for my upcoming certification exams in a hands-on fashion, I regularly participate on platforms such as *TryHackMe* and *Hack the Box*. The challenges and labs that they provide are essential to my self-education, and I also find them to be a great deal of fun.

My primary offensive OS is BlackArch, but I also have experience with Kali and ParrotOS.

I have also recently begun exploring bug bounty programs and how my web developer background can be leveraged to contribute to the community.

HOBBIES & INTERESTS

- ▸ Technology & Computers
- ▸ Ethical Hacking
- ▸ 3D Printing
- ▸ Product Design & Prototyping
- ▸ Drones
- ▸ Architecture & Facility Design
- ▸ Home Improvement & DIY
- ▸ Cooking, Grilling, & Smoking
- ▸ Woodworking & Metalworking
- ▸ Photography
- ▸ Billiards
- ▸ Automotive Repair
- ▸ Video Games

VOLUNTEERING

Humane Society for Southwest Washington
Photographer

I volunteer my photography skills by taking marketing photos, covering events such as the annual *Walk/Run for the Animals*, and taking profile photos of animals at the shelter for use on the HSSW website.

NOTABLE CONSULTING PROJECTS

NIST 800-171 Compliance Evaluation

I worked with a newly established military equipment manufacturer to evaluate and score their current state of operations against NIST 800-171 requirements. First, I created an action plan outlining the steps required to reach compliance. I then re-designed their network, helped deploy the changes, and educated staff regarding the changes to their daily workflow. Lastly, I assembled the scored assessment packet for submission to SPRS.

Alternative ERP & E-Commerce Solution

A local electronics fabricator and retailer contacted me to advise on an alternative ERP solution. They currently pay at least $18,000/yr in licensing and support fees for an outdated, low-functioning system. Pursuing an upgrade with their current vendor would start at $120,000 for implementation before raising their annual overhead by $35,000. After thorough client interviews and research, I found their solution. It provides automated integration with an e-commerce storefront, solutions to numerous operational pain points, and adds functionality they'd been dreaming of for years. Estimated cost? $45,000 implementation, $12,000 annual upkeep.

RESEARCH ENVIRONMENT // HOMELAB

2016 - Present

I started building my homelab six years ago with two goals in mind:

1. Design and deploy a functional & secure network for my home and office.
2. Provide myself with an educational sandbox that closely emulates an enterprise environment.

The current lab includes a 25U server rack that houses Dell R-Series and HP G-Series servers, along with several custom-built chassis. I converted the closet in my home office to a suitable server room. It has HVAC, in-wall terminations of ethernet drops throughout the house, and 2x 20A dedicated circuits supplying a primary and secondary UPS.

Network infrastructure runs on Brocade campus hardware consisting of a 48 port L3 core switch, 3 access switches, and 2x PoE WAPs. The edge firewall is configured to handle ingress/egress. All inter-LAN routing happens on the core switch to allow maximum throughput across 14 VLANs, which have ACLs in place for security.

Over the years, I have installed and configured multiple firewall appliances (both physical and virtualized) such as Unifi, OPNSense, and pfSense. Some of the core firewall services I have configured and managed include VPNs, IDS, IPS, NSM, and ATM.

The heart of the lab is virtualized in a 3-server ProxMox hypervisor cluster, supported by a TrueNAS storage server. In addition to providing a flexible environment for development, research, and experimentation, these servers are the platform for my core network services.

A few of the platforms and services I have worked with in the lab:

WinSrv / AD	OpenVPN	Postgre	Ansible	Traefik	FreeBSD	Arch	Mailcow	DNS
WireShark	Suricata	MariaDB	Docker	Caddy	Ubuntu	Jira	Directus	ADNS
Kubernetes	Portainer	MySQL	Netdata	Nginx	CentOS	iperf	unRAID	DDNS
Wireguard	Zendesk	Zabbix	Vmware	Apache	Debian	NPM	rsync	DHCP