Casey Sparks

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EDUCATION AND TRAINING

- **Carnegie Mellon University, Heinz College** *2021*
  Chief Information Security Officer (CISO) Certificate
- **AWS Certified Cloud Practitioner (CCP)** *2022*

EXPERIENCE

- **Prime Trust** *September 2019–Present*

  Director of Information Technology

  - Worked with Executive officers to design, and coordinate the construction of, a 40-thousand square foot office space, deploying multiple Crestron conferencing systems and a Cisco Meraki local area network.
  - Migrated existing MDM to Cisco Meraki and integrated Cisco system with the company IdP.
  - Developed custom softwares for hardware inventory life-cycle management and service desk metric reporting.
  - Migrated existing IdP, password manager, file server, and payroll systems to new services in under six weeks without disrupting business operations or increasing operational expenditures, supporting 400 employees.
  - Brought end-user Linux devices under management via Ansible in compliance with information security policy.
  - Designed and developed Ansible playbook to harden new end-user Linux devices with multi-distribution support for Debian-, RHEL-, and Arch-based systems.
  - Providing dedicated, 24/7 white-glove service to Executive officers for both IT systems and security incident remediation.

  DevOps Engineer

  - Wrote internal tooling and automation to improve team velocity.
  - Worked with Product and Engineering teams during software deployments and incident response/remediation.
  - Assisted as subject-matter expert in relevant IT and cryptography domains during ISO and SOC certifications and audits.
  - Ported third-party EDR software to enforce compatibility with previously unmonitored Arch-based Linux distributions.

  System Administrator

  - Migrated existing Fortigate/Fortinet LAN hardware to Cisco Meraki appliances with no network downtime during business hours.
  - Reduced operational expenditures by 20 percent, replacing costly and dated subscription services with Ansible-managed open-source alternatives.
  - Reduced penetration test findings by 80 percent after initial engagement across Fortigate LAN.
  - Migrated Active Directory MDM, password manager, and payroll systems to cloud-based services.
  - Wrote, implemented, and provided subject-matter expertise in information security policies, assisting the company in achieving an ISO 27001 certification in 2021 and SOC2 in 2022.

- **Pink Sky Group** *October 2018–September 2019*

  Analyst

  - Advised product improvements for capital illiquid investments on behalf of our sister hedge fund, Pink Sky Capital leading to improvements in capital gains during a market downturn.
  - Produced risk-based research reports on investments under consideration with emphasis on identifying product and market risks as they pertained to the hedge fund's capital investments.

- **Totem** *September 2017–October 2018*

  Analyst

  - Advised on product design and compliance risks for companies aiming to implement blockchain-based solutions.

TECHNICAL SKILLS AND EXPERTISE

- **Languages and Operating Systems.** Python, Shell (Bourne/bash). Linux (RHEL, Debian, Alpine, Arch), FreeBSD, OpenWrt.
- **Networking and Cloud.** AWS, Heroku, Cisco Meraki, Fortigate/Fortinet, pfSense, MikroTik.
- **Policy and Certification.** ISO 27001, SOC2.
- **Virtualization, Containerization, SCM, and Configuration Management.** Docker, Git, Proxmox, ELK, Ansible, Terraform, Hyper-V, multiple MDMs (Cisco Meraki, Rippling, Active Directory).