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Summary

Seasoned Site Reliability Engineer (SRE) and **technology generalist** with extensive experience designing and automating large-scale systems. Skilled in **DevOps, cloud infrastructure, and security**; adept at rapidly learning new technologies to solve complex problems. **AWS-focused** with expertise in designing immutable, self-healing systems using container orchestration platforms (Kubernetes/EKS). A proven track record leading technical teams through mergers/acquisitions, ensuring continuity and innovation. Known for resourcefulness, strong mentoring, and a collaborative, can-do attitude.

Core Skills & Technologies

- **Cloud & Orchestration:** AWS (EKS, Lambda, EC2, S3, etc.), OpenStack
- **Automation & Configuration Management:** Ansible, Terraform, Packer, Rundeck, Jenkins, TeamCity
- **Containerization:** Docker, Kubernetes (EKS), Helm, Consul
- **Languages:** PowerShell, Shell scripting, Node.js, Python, Go, Rust
- **CI/CD & Pipelines:** Jenkins, TeamCity, GitLab CI, AWS CodePipeline
- **Security & Compliance:** CISSP, PCI-DSS, Vulnerability Assessments, Intrusion Detection
- **Other:** VMware ESX, Linux Administration (RHCSA), Networking (Cisco/CCNA), NetApp

Experience

Principal Site Reliability Engineer

Trellix (formerly Mandiant → FireEye → McAfee) January 2022 – Present

- Led technical direction and day-to-day operations for the SRE team, mentoring junior members.
- Designed and implemented **AWS EKS** deployment systems to ensure high availability, scalability, and reduced operational overhead.
- Pioneered stateless, **immutable infrastructure** approaches that improved reliability and recovery.
- Drove automation with **Terraform**, **Packer**, and **Consul**, emphasizing self-discovery and self-healing at scale.

Principal Site Reliability Engineer

FireEye January 2021 – December 2021 *(FireEye Products sold off and merged with McAfee, ultimately forming Trellix.)*

- Oversaw SRE best practices for production workloads in **AWS**, including container orchestration, CI/CD automation, and data pipelines.
- Streamlined multi-tier AWS infrastructure, focusing on operational efficiency and incident mitigation.

Senior Site Reliability Engineer

FireEye January 2018 – January 2021

- Championed serverless architecture with multiple **AWS Lambda** implementations, reducing operational overhead.
- Migrated legacy systems to **AWS EKS**, cutting deployment times significantly.
- Managed multiple AWS EKS clusters, ensuring robust security and compliance for mission-critical services.
- Deployed AWS Lambda functions to offload and simplify various operational tasks.

Site Reliability Engineer

FireEye January 2014 – January 2018

- Redesigned and supervised the **CI/CD pipeline** using Ansible, Terraform, Packer, and Consul.
- Implemented a Big Data Analytics platform (EMR, AWS Data Pipeline, Lambda) to process large-scale ETL workloads.
- Created operational documentation, runbooks, and standard operating procedures for consistent deployments.

Site Reliability Engineer

Mandiant July 2013 – December 2013 *(Acquired by FireEye)*

- Built and optimized a **TeamCity**-based build system, drastically reducing release cycles.
- Converted complex Bash deployment scripts into **Ansible** playbooks, improving reliability and reducing errors.

Senior Technologist

Trans-Tel Central April 2012 – July 2013

- Rolled out an **OpenStack**-based multi-tenant operational network, managing storage, virtualization, and networking end to end.
- Spearheaded **PCI** assessments business, obtaining **PCI-ASV** certification and ensuring compliance for diverse clients.

Technology Consultant III

Hewlett-Packard September 2010 – March 2012

- Served as **Senior Virtualization Engineer** for the US Army Medical IT Center (USAMITC), overseeing 1,000+ virtual machines.
- Automated routine VM tasks using **PowerCLI** scripts, boosting admin productivity and lowering incidents.
- Assisted in a large-scale virtualization infrastructure refresh, focusing on performance tuning and security hardening.

Computer Security Engineer

TASC Inc. September 2007 – September 2010

- Designed and integrated VMware virtualization solutions for the Air Force (CITS 35), rolling out first large-scale deployment across multiple commands.

- Conducted network vulnerability assessments as part of the Air Force 92nd Aggressor Squadron, identifying and mitigating enterprise-level security threats.
- Provided strategic solutions for vulnerability mitigation and refined processes for continuous improvement.

Network Security Analyst

MacAulay Brown November 2006 – September 2007

- Defended the Air Force Global Information Grid (GIG) against malicious threats via real-time network monitoring and intrusion detection.
- Collaborated with the Air Force Network Security Division (AFCERT) to respond rapidly to critical security incidents.

Information Protection Technician

United States Air Force (USAF) October 2000 – October 2006

- Led a team of eight, implementing boundary protection, vulnerability assessment, and intrusion detection for the largest Air Force communications squadron.
- Applied deep packet inspection with **tcpdump** and similar tools to troubleshoot low-level network issues.

Education

Master of Science, Information Assurance & Security (Network Defense) Capella University, 2015–2016 | Summa Cum Laude

Bachelor of Science (BS), Psychology Capella University, 2012–2015 | Summa Cum Laude

Certifications

- **CISSP** – ISC2 License #112897
- **Network+** – CompTIA License #COMP10617900
- **Security+** – CompTIA License #COMP001004759650
- **CEHv6** (Ethical Hacking and Countermeasures) – EC-Council
- **ITIL V3 Foundation**
- **RHCSA** (Red Hat Certified System Administrator) – #605010315431388
- **MCTS**: Windows Server 2008 Active Directory
- **VMware Certified Professional 3/4/5** – License #24125
- **Linux Professional Institute Certification (LPIC1)** – (Expired)
- **Cisco Certified Network Associate (CCNA)** – #CSCO10432786 (Expired)

Open Source / Volunteering

- **Rust Language Release Team Volunteer** January 2018 – January 2020
    - Assisted with testing, documentation, and community support for Rust releases.