JACOB "J" COLLINGS

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CYBERSECURITY OPERATIONS | TECHNOLOGY DEPLOYMENT

Agile Project Management | Penetration Testing | Security Assessments | Data Management

Dedicated security and technology leader with extensive experience fortifying IT and security capabilities that optimize processes and systems against emerging threats. Reputation for strengthening defense posture and process efficiencies through robust triage, automation, testing, and implementation strategies. Maintains a keen pulse on the cyber security landscape as it evolves, adapting existing security strategies to address emerging risks and reinforce security integrity. Accustomed to interfacing with customers and handling incident response with an eye for solutions and best practices. Talent for working autonomously and collaboratively in team settings to identify and mitigate potential challenges to diverse customer base. Leverages knowledge of various disciplines to synthesize complex data into cohesive reports, working collaboratively with key stakeholders to optimize threat response.

- *Strategic Planning*
- *Security Assessment*
- *Solution Architecture*
- *Strategic Partnerships*
- *Incident Response*
- *Risk & Quality Control*
- *Data Research & Analysis*
- *Stakeholder Engagement*
- *Regulatory Compliance*
- *Monitoring & Detection*
- *Security Strategy & Planning*
- *Controls Implementation*
- *Documentation & Reporting*
- *Vulnerability Management*
- *Continuous Improvement*

CREDENTIALS

COMPTIA • CompTIA Security+ • 2025

PROFESSIONAL EXPERIENCE

UNIVERSITY OF UTAH • Remote • 2024
Cyber Security Student

- Improved system accessibility by planning, infiltrating, and exploiting lab systems using advanced MITRE ATT&CK techniques, reporting all outcomes to cybersecurity leadership.
- Intentionally attacked web servers to attempt access to databases, login credentials, and PII that led to stronger security measures and risk mitigation.
- Instrumental in fortifying business security for client by conducting full-scale security assessment to gauge risks and vulnerabilities, uncovering weaknesses, and providing data-driven recommendations for improvement.
- Supported various initiatives in security group management, Windows firewall rulesets, SIEM integration, load balancers, and availability through in-depth network development and deployment.

VIASAT • San Diego, CA • 2015 to 2023
System Test Engineer

- Triaged production service interruptions to determine indicators for component outages, working collaboratively with cross-functional teams to bring components back online.
- Oversaw configuration, capture, and analysis of lab-based / residential network traffic with an emphasis on L2-L3 layers.
- Provided development teams with invaluable feedback, on-call support, and ownership of high-priority global issues in adherence to SLAs.
- Established real-world testing for in-development and features by building testing labs mimicking client home setups.
- Streamlined operations by automating tests using Jenkins, Cloudshell, and Ixia Networking suite, among others.
- Tested potential service integrations, reporting on feasibility and offering targeted recommendations at weekly scrum meetings to strengthen overall network reliability.

VIVINT SOLAR • Lehi, UT • **2014 to 2015**
IT Desktop Support

- Owned initiative to develop in-house, web-based inventory management software to improve organization strategy.
- Prioritize compliance with security standards while managing multiple Active Directory and Exchange accounts.
- Contributed to continuous improvement efforts by supporting companywide Salesforce implementation and in-house, web-based sales monitoring programs.
- Promptly respond to support requests virtually and onsite to address any issues with computer systems and company services.

BRIGHAM YOUNG UNIVERSITY • Provo, UT • **2012 to 2015**
Research Student (2013 to 2015)

- Performed comprehensive research and analysis on quantum information to identify and resolve issues to current problems.
- Conducted independent research, translating insights into cohesive reports for research supervisor.
- Presented research at conferences to diverse audiences and published in scientific journals.

Computer Support Specialist (2012 to 2014)

- Played an integral role supporting multimedia centers, dining services, and residential services as remote and onsite computer and point-of-sale support.
- Instigated troubleshooting to identify and resolve network failures.
- Configured Microsoft Exchange email accounts.
- Managed a variety of tasks to optimize Micros Point of Sale including assembly, installation, configuration, maintenance, and repairs.

EDUCATION

BRIGHAM YOUNG UNIVERSITY • Provo, UT
Bachelor of Science in Physics
Minor in Computer Science & Math

HONORS & AWARDS

AMERICAN PHYSICS SOCIETY 4CS • **Outstanding Poster Award (2015)**

AMERICAN PHYSICS SOCIETY 4CS • **Outstanding Poster Award (2014)**

BRIGHAM YOUNG UNIVERSITY • **Dean's List (2012)**

TECHNICAL SKILLS

**Windows • Linux • MacOS • Microsoft Exchange • Active Directory
AWS • Google Cloud • JIRA • Jama • Metasploit • Burp Suite
Azure • Splunk • TCL • Bash • Python • Mathematica • MATLAB**