



Jacob Pech

Innovative Business Visionary

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A B O U T

Self-driven positive individual with 6+ years experience leading and developing diverse teams to solve the hardest problems. Natural ability to thrive in rapid mission-critical environments while living out my core values of integrity first, service before self, and excellence in all that I do.

E D U C A T I O N

● Doctor Of Philosophy, Security

University Of Colorado, Colorado Springs

2022 - 2026

● Master Of Science, Cybersecurity & Information Assurance

Western Governor's University

2020 - 2022

● Bachelor Of Science, Information Technology

Western Governor's University

2018 - 2020

● Associate Of Science, Information Systems

E X P E R I E N C E

Cybersecurity Engineer | 2021 - Present

Caribou Thunder - Missile Defense Agency

- Cybersecurity Engineer Implementing NIST/DoD standards to obtain, develop, and maintain ATO/ATC packages.

- Developing and maintaining CND policies and procedures; identifying, documenting, reporting and correcting system vulnerabilities; and managing cyber incident response.

- Evaluate system and network configurations for compliance with DISA STIGS, NIST 800-53 Security Controls and ISO/IEC 15408 Common Criteria to formulate and implement effective high quality RMF accreditation packages. Conduct CND operations in a DoD environment.

Professor, Red/Blue Tactics | 2018 - Present

AFA CyberPatriot Education Program

- Responsible for CTF style program instruction while utilizing and/or developing curriculum covering hardening and exploitation of Windows, Cisco IOS, and Linux-based VM's

- Simplification of advanced topics into relatable lessons while instilling ethical lifelong values into the next generation

- Recruiting and leading other instructors, resourcefully acquiring lab environment hardware, and coordination of events

Defense Consultant | 2021 - 2021

Deloitte - SpaceForce, DCO-S

- In charge of coordinating/supporting multiple teams tasked with the development and administration of a defensive cyber operation (DCO) detection suite utilizing the Elastic, Logstash, Kibana (ELK) stack as well as various tools for data handling and display

- Responsible for the design, deployment, and maintainance of mirrored virtual network environments

- Tasked with automation utilizing scripting in bash and python while leveraging ansible playbooks

- Administering Docker client-server architecture while prepping for migration towards Kubernetes (k8s)

Cybersecurity Engineer | 2020 - 2021

Kratos Defense & Security - USAF, CCS-C

- Cybersecurity Engineer satisfying RMF requirements per NIST 800-53 across multiple programs to maintain and ensure ATOs within eMASS. Maintain.

SKILLS

HTML

CSS

SASS

Javascript

HTML2

CSS2

SASS2

Javascript2

troubleshoot, configure, and deploy various network security tools, operating systems, and software technologies.

- STIG multiple systems/tools under various environments and scan for compliance while generating status reports for risk compliance.

- Automation through bash, VBA, powershell, and scripted SIEM deployments to ease the workload across a short-staffed team.

Network Security Engineer | 2020 - 2020

Defense Information Systems Agency

- Network Engineer that evaluates system network requirements to make appropriate technical recommendations.

- Establishes remote management connectivity, OS updates, Bit Error Rate test coordination, alarm profile configuration, and testing of the various layers of the OSI model.

- Monitors network performance to support deployments and ensures conformity with IA requirements

Cybersecurity Analyst | 2018 - 2019

Alpine Security

- Cybersecurity Analyst that conducted phishing campaigns utilizing automated command-line and graphical Linux-based tools. Organized results into vulnerability overview reports for clients while recommending remediation actions.

- Maintained hardware and patched software ensuring proper hardware performance and up-to-date software.

- Secured and monitored networks through automation and scripting.

Network Engineer | 2016 - 2020

United States Air Force - Active Duty

- Network Engineer that led small teams, worked logistics of material acquisition, and conveyed project updates to senior leadership.

- Regularly maintained data trunks in support of 6 Major Commands, 30 local tenant units, and 6000+ customers spanning 100+ DoD installations utilizing a \$150M Cisco/Ciena based network infrastructure.

- Monitored and counteracted alarm situations with methodical and decisive fix actions employing network management software to track irregularities.