



Jacob Pech

Innovative Business Visionary

📍 Colorado Springs, CO

✉️ pechjacob@gmail.com

📞 618-578-2777

S O C I A L

LinkedIn @jacobpech

GitHub @pechjacob

Medium @268221

A B O U T

Self-driven positive individual with 12+ years experience leading and developing diverse teams to solve the hardest problems. Natural ability to thrive in rapid mission-critical environments whilst 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

● Sans VetSuccess Academy

SANS Institute

2020 - 2020

● Bachelor Of Science, Information Technology

Western Governor's University

2018 - 2020

● Associate Of Science, Information Systems

Community College Of The Airforce

2016 - 2018

E X P E R I E N C E

Next Preferred Position | Future

- Any company, Any industry
- Competitive Salary and Benefits
- REMOTE (Open to minimal travel)
- Environment of INNOVATION
- Working alongside MOTIVATED and PASSIONATE individuals

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 Team 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

C E R T I F I C A T E S

Clearance

Active Top Secret (SCI Eligible)

CompTIA

A+ | Net+ | Sec+ | Linux+ | Project+ | Cloud Essentials |

CySA+

ISC2

CISSP

GIAC

GPEN | GCIH | GSEC

CISCO

CCNA

EC-Council

CEH

CIW

User Interface Designer |

Advanced HTML5 & CSS3 Specialist |

Site Development Associate

S K I L L S

HTML5 | CSS3 | Javascript

Project Management – Mentorship

Shell | Bash | Powershell

VMware – Docker – K8s – Ansible – ProxMox

Graylog | Splunk | Nessus

Metasploit – Wireshark – Nmap

ELK | Snort | Bro

Critical Thinking – Innovation – Business Development

Windows | Linux | MacOS

L A N G U A G E S

English

Willing to learn any Language

- 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 utilzing scripting in bash and python while leveraging ansible playbooks

- Administering Docker client-server architecture while prepping for migration towards Kubernetes (K8s)

CEO | 2020 – Present

DroneBro Studios

- Chief Executive Officer managing daily operations and vision of a drone services company serving the real estate, industrial, and media industries.

- Maintain all required documents for operation under FAA guidelines, local laws, and federal/state mandated business outlines.

- Ensure customer satisfaction, oversee marketing operations, and spearhead continual process improvements in all business processes.

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, 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 Security 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 – Present

United States Air Force – Active Duty/Reservist

- 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.

MIG/GMAW Certified Welder/Fabricator | 2015 – 2016

Vermeer

- Fabricated Vermeer Terrain Leveler surface excavation machines (SEM's) and pile drivers such as the PD10 using a variety of fitting, burning, and welding processes.

- Inspected all work meticulously for defects, dimensions, alignment, and end preparations. Then reported and corrected

engineering, and other preparations. Also reported and corrected discrepancies in order to sustain quality assurance standards.

- Operated and maintained cutting torch, plasma cutter, band saw, industrial Miller MIG welder, 10 ton hoists, and a wide variety of power hand tools. Upheld and reinforced standards and procedures outlined in Occupational Safety and Health regulations

Inventory Control Supervisor | 2014 - 2015

Walmart

- Conducted and supervised training of personnel on inventory control procedures and policies.
- Responsible for 4 million in product and stock.
- Enjoyed maintaining ultimate physical form whilst powering through hours of intensive stock unloading, analysis, and maintenance.