



**Jacob Pech**

**Innovative Business Visionary**

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## S O C I A L

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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

Community College Of The Airforce

2016 - 2018

## 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)

### 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.

## CERTIFICATES

### 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

## SKILLS

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

## LANGUAGES

English      Will Learn Spanish

- 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 - 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.