



EXPERIENCE

DevSecOps Architectural Consultant | 2022 – Present

Envistacom

- Cross-functional reverse engineer able to plan, design, document, test, and implement new business models using a holistic understanding of computer science, business logic, and culture within multiple industries and sectors.
- DevSecOps-centric automation of end-to-end cyber solutions using modern day best practices gleaned from analyzing current market research and critical thinking skills to provide innovative best value from an end-user's perspective.
- Advise numerous departments as a SME while helping to mature company culture through product development with an emphasis on business requirements.

Janitor | 2022 – Present

ThinkTank Consulting – Non-Profit Engineering Solutions

- Mops floors.
- Brightens everyone's mood.
- Learns from smart people.

Cybersecurity Engineer | 2021 – 2022

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 – Cyber Education Program

Jacob Pech

Innovative Business Visionary

📍 Colorado Springs, CO

✉️ pechjacob@gmail.com

📞 618-578-2777

SOCIAL

LinkedIn @jacobpech

GitHub @pechjacob

CodePen @268221

ABOUT

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.

EDUCATION

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

- 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 – Imagery Services

- 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.

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

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

Network Security Engineer | 2020 – 2020

DISA – Defense 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 – Pentesting & Cyber Education

- 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 Welder/Fabricator | 2015 – 2016

Vermeer – Industrial & Agricultural Machinery

- Fabricated Vermeer Terrain Leveler surface excavation machines (SEM's) and pile

• Fabricated Vermeer Terrain Leveler surface excavation machines (SEMs) 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 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 – Retail Services

• 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.