



Piotr Paszko

Cloud Security Engineer | CISSP | SC-100

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PROFESSIONAL SUMMARY (5+ YEARS' EXP.)



INTERACTIVE PORTFOLIO

pjjp.github.io/PiotrPaszkoCV

My current work centers around three key pillars:

- Cloud environment audits
- Implementing targeted security fixes and security policy enforcement
- Building security automation, secure IaC
- Collaborated with multiple enterprise clients, led transition processes, mentored junior engineers, and provided security guidance to development teams.

WORK EXPERIENCE

Cloud Security Engineer – Software Mind

July 2024 – Present

I secure and improve Azure environments through security architecture, automation, and environment hardening. I perform Azure security audits, identify weaknesses, and drive targeted remediation. I strengthen posture with Defender for Cloud, security baselines, and Azure Policy. I configure and manage Azure Firewall, NSGs, WAF, and network segmentation for intrusion prevention. I build DevOps automation with Azure DevOps and Terraform/Bicep, validate and secure Kubernetes deployments through Helm charts with security best practice guidance. I work with tools such as: Microsoft Sentinel, SonarQube, Trivy, and Dependabot. I handle incident response, alert triage, and work with developers to ensure secure, compliant application environments. I provide guidance and mentor junior engineers, and contribute to transition completion documentation.

Azure Security

Microsoft Sentinel (SIEM)

Defender for Cloud

Defender for Endpoint

Azure Firewall / WAF / NSG

IAM

CSPM

Kubernetes (AKS)

SonarQube

Trivy

Dependabot

DevSecOps Engineer – Accenture Poland

July 2023 – June 2024

Managed Azure cloud infrastructure with a strong focus on security and compliance. Built infrastructure as code using Bicep and PowerShell, implemented CI/CD pipelines, and enforced security best practices across cloud resources. Developed custom tooling for infrastructure compliance validation and automated remediation. Acted on security findings and recommendations to continuously improve the environment.

Azure Security

Bicep

PowerShell

CI/CD

Junior DevOps Engineer – Capgemini

August 2022 – June 2023

Worked with the OpenShift (Kubernetes) platform, contributing to platform development and architecture design. Automated infrastructure provisioning using Ansible and ArgoCD, and managed Red Hat-based environments. Built and maintained CI/CD pipelines with Jenkins to support consistent and reliable deployments.

OpenShift

Ansible

Jenkins

RedHat

Junior Linux Admin/DevOps – Asseco Business Solutions S.A.

May 2021 – July 2022

Administered Linux systems, developed Python automation scripts with FastAPI, and managed containerized applications on Kubernetes. Implemented infrastructure as code on AWS using Terraform with security-focused configurations. Enforced container security policies using OPA Gatekeeper and runtime threat detection with Falco. Automated configuration and provisioning tasks with Ansible.

Linux Python Kubernetes AWS OPA Gatekeeper Falco Terraform

Junior Full Stack Developer – cosphereorg

September 2019 – August 2020

Developed full-stack applications with Python backend and Angular frontend. Implemented data scraping solutions and applied machine learning algorithms for data analysis. Managed state with NgRx and ensured code quality.

Python Angular NgRx Machine Learning Data Scraping

Junior Developer – Intern – Viessmann Research & Development Center

July 2019 – August 2019

Developed Python backend applications using Django framework. Worked with Docker for containerization, implemented unit tests, and handled database operations including Apache Spark for data processing.

Python Django Docker Spark Unit Tests

CERTIFICATIONS



CISSP (Certified Information Systems Security Professional)
ISC2



Microsoft Certified: Cybersecurity Architect Expert
Microsoft



AWS Certified Machine Learning Engineer – Associate
Amazon Web Services



HashiCorp Certified: Terraform Associate (003)
HashiCorp



Certificate of Cloud Security Knowledge v.5
Cloud Security Alliance



Azure Network Engineer Associate
Microsoft



Azure Security Engineer Associate
Microsoft



Azure Administrator Associate
Microsoft

PROFESSIONAL DEVELOPMENT



OSCP Certification (In Progress)

Offensive Security Certified Professional – preparing through hands-on penetration testing labs and exercises



HackTheBox Academy

Active penetration testing practice – web application security, broken authentication, LFI/RCE, and network exploitation

CORE EXPERTISE



Azure security architecture assessments & recommendations



Azure Policy, Defender for Cloud/Endpoint, security baselines





Azure Firewall, WAF, NSGs, Private Endpoints, VNet isolation




Microsoft Sentinel (SIEM), alert triage, incident response

 DevSecOps automation (Azure DevOps, Terraform, CI/CD)

 Kubernetes security (AKS, Gatekeeper, Falco, Helm validation)

 Vulnerability scanning (SonarQube, Trivy, Snyk, Dependabot)

 Security policy enforcement, developer guidance & mentoring

KEY PERSONAL PROJECTS

Secure Cloud & Kubernetes Architecture

Master's Thesis Project

A comprehensive implementation of cloud security best practices covering AWS infrastructure hardening with Terraform, Kubernetes (EKS) security using RBAC and Network Policies, and secure application development.

- **Kubernetes Security:** Implementation of RBAC, Network Policies, and Pod Security Standards.
- **Application Security:** OWASP Top 10 mitigation strategies implemented in Angular and Python.
- **DevSecOps:** CI/CD with SAST/SCA using Snyk for dependency and code vulnerability scanning.

Lakey-Service

Scalable Data Lake Access

A scalable data lake access service enabling thousands of clients to connect to expensive data lakes via HTTP/Websockets for efficient data retrieval.

- **Architecture:** Microservice design with Auth, Catalogue, and Downloader modules.
- **Security:** Secure auth token management and access control permissions.
- **Tech Stack:** Python, Jupyter, Websockets, HTTP APIs.

EDUCATION

Master's Degree in Computer Science

2022 - 2024

Warsaw School of Computer Science

Focus on cloud computing, distributed systems, and software architecture.

Bachelor's Degree in Cybersecurity

2018 - 2022

Wrocław University of Science and Technology

Comprehensive program covering network security, cryptography, threat analysis