



# Piotr Paszko

Cloud Security Engineer | CISSP | SC-100

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Remote / Poland

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## Professional Summary (5+ years' exp.)

My current work centers around three key pillars:

- Cloud environment security audits
- Implementing targeted security fixes
- Building security automation and secure IaC
- Collaborated with multiple enterprise clients, led parts of transition processes, and mentored junior engineers.

INTERACTIVE PORTFOLIO

pjjp.github.io/PiotrPaszkoCV

## 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 build DevOps automation with Azure DevOps and Terraform/Bicep, validate and secure Kubernetes deployments through Helm charts, handle incident response and alert triage, and work with developers to ensure secure, compliant application environments.

Azure Security   Azure Audits   IAM   Cspm   Azure   Kubernetes (AKS)

### 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, and automated configuration and provisioning tasks with Ansible.

Linux   Python   Kubernetes   AWS

### 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

# CORE EXPERTISE

🛡️ Azure security architecture assessments & recommendations

🛡️ Azure Policy, Defender for Cloud, security baselines

🔒 Firewall, Private Endpoints, network segmentation, VNet isolation

🚀 DevOps automation (Azure DevOps, Terraform)

🌐 AKS security (secure deployments, helm charts validation)

🔒 Logging, monitoring automation, alert triage, and incident response improvements

# 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.

## 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, and threat analysis.