Piotr Paszko

Cloud DevOps Engineer | Cloud Security Engineer | CISSP | SC-100

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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

🌐 **INTERACTIVE PORTFOLIO**
pjjp.github.io/PiotrPaszkoCV

WORK EXPERIENCE

Cloud Security Engineer / Cloud DevOps 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` `Kubernetes (AKS)` `Terraform` `Azure DevOps`

Cloud DevOps 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.