

Maciej Matuszewski

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SUMMARY

Cloud engineer and AI enthusiast working at the intersection of **Cloud Infrastructure**, **Cybersecurity**, and **Artificial Intelligence**. Currently pursuing M.Sc. in AI at Warsaw University of Technology while **designing production cloud architectures** professionally. Strong technical foundation in **cloud organizational architecture**, **threat detection**, and **automation**, with hands-on experience **building intelligent solutions**.

EDUCATION

Warsaw University of Technology **Warsaw, Poland**

Faculty of Electronics and Information Technology From 10/2022 to 02/2026

- *B.Sc. in Cybersecurity*

Faculty of Electronics and Information Technology From 02/2026 until now

- *M.Sc. in Computer Science – Artificial Intelligence*

EXPERIENCE

PGE Dystrybucja S.A. **Lublin, Poland**

- *ICT Internship* From 07/2024 to 10/2024

BSH Hausgeräte GmbH **Warsaw, Poland**

- *DevOps Internship* From 05/2025 to 08/2025

- Implemented and maintained **AWS cloud workflows** using infrastructure stacks; supported **internal teams and customers** with cloud-based solutions.

- Automated **cloud processes and applications** and migrated workloads to **serverless architectures**.

- *Cloud Engineer* From 08/2025 until now

- Designed and managed **AWS cloud architectures** using **Terraform** and **Kubernetes**, optimizing infrastructure costs and improving system scalability.

- Developed **cloud automation, data pipelines, backup, and audit systems**, enhancing reliability and maintainability.

- Built and maintained **CI/CD pipelines**; optimized **batch processing, monitoring, logging, and throttling**.

- Contributed to **cloud platform support and architecture improvements**, increasing system stability and operational resilience.

SKILLS & ABILITIES

- **DevOps & Cloud:** AWS, Kubernetes, Azure, Terraform, Docker, GitHub Actions, Infrastructure as Code (IaC), Linux, Bash, cloud networking, monitoring & alerting, Managed Hosting, SAM
- **Security Engineering:** Network traffic analysis, threat detection, SIEM, vulnerability scanning, pentesting, Kali Linux, CTFs, Nmap, scapy
- **Programming & Technologies:** Python, Go, Java, SQL, R, MATLAB, Mathematica, LaTeX, Typst, Git
- **Languages:** Polish (*native*), English (*proficient*), German (*elementary*)

SAMPLE PERSONAL PROJECTS

- **Network Traffic Analysis & Threat Detection (Python)** - Implemented a **Python-based network traffic and data flow monitoring** solution using **NFStreamer** and **machine learning**. Developed **detection rules** for identifying suspicious activity, integrated **IP reputation/abuse databases**, and enabled **real-time threat detection and alerting**.
- **Network Security Scanner & Monitoring System (Go)** - Built a **Go-based network monitoring solution** with **automated Nmap vulnerability scanning**, **RouterOS integration via webhooks**, **endpoint discovery**, and **automated security reporting** to improve **visibility** and **operational security**.
- **THE EYE** - Developed a **backend for drone detection system** (<https://the-eye.org/>).
- **Office as IaC (Docker Compose, GNS3)** - Designed a **segmented SOHO network** with **security** components.