

Szymon Piskorz

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Professional Summary

I'm Simon, and I work with technology to solve problems. Every day I seem to discover a new version of what kind of engineer I am. Started as Software, evolved to Operations, then DevOps, Platform, Monitoring, Kubernetes, Cloud, Lead, Architect, Data Engineer, and now ML Systems Engineer. At this rate, I'll probably be a Quantum Blockchain AI Engineer by next Tuesday. I like building systems that work reliably at scale. Whether it's automating workflows, designing cloud architecture, or implementing ML pipelines, I focus on practical solutions that teams can actually maintain. I'm comfortable across the full stack - from network configs to distributed systems to ML model deployment. Currently fascinated by how ML/AI tooling is changing how we build and operate systems. Always learning, always building, always trying to make things work better than they did yesterday. Strong believer in automation, good documentation, and systems that don't wake you up at 3 AM.

Professional Experience

Technical Product Manager - ML/AI Data Product

Roche

November 2024 - Present | Basel, Switzerland (Remote) | Contract/Freelance

- Tech PM for a data product using Machine learning LLM prompts to replace manual human review process with inference ran through AWS Bedrock service
- Heavily involved with proposing architectural changes and improvement to the process
- Consulting as an architect on upstream application architecture and vendor solution evaluation
- Normal PM activities: planning sprints, information flow management, business stakeholder meetings
- Managing project to create near 0 downtime leveraging services of the Data Platform
- Supporting team of 2 MLOps engineers, one Business Analyst, and a Data Engineer

Technologies: Python, Airflow, AWS Bedrock, AWS Sagemaker, Redshift, AWS Redshift-Bedrock integration

Kubernetes DevOps Engineer

Roche

November 2022 - November 2024 | Basel, Switzerland (Remote) | Contract/Freelance

- Supporting workflows required for running ETL processes for data warehouse project
- Project supporting insights built on top of Redshift, Glue, Athena
- Managing EKS cluster deployed via AWS CDK with custom integrations
- Deploying ArgoCD applications from CDK in efficient manner using runtime generated GitOps
- Building platform for data scientists to deploy web applications via AWS CDK Constructs
- Providing e2e process from Docker image to k8s deployment with load balancing and sub-domain registration + Cloudflare setup

Technologies: AWS CDK, EKS, ArgoCD, Airflow, Python, Kubernetes, Helm, GitLab CI, AWS Redshift, KubeFlow

Consultant Solutions Architect

European Commission

March 2023 - November 2024 | Remote | Contract

- Development of internal services including FaaS (Function as a Service) and CaaS (Cluster as a Service)
- Built Container as a Service consumed internally across organization
- Solution built on Terraform-deployed AWS stack managing clusters via Terraform by bootstrapping ArgoCD
- Implemented self-managing ArgoCD with applicationsets installing all required software
- Integrated clusters with secrets vault using External Secrets Operator
- Automated Dynatrace observability setup across all managed clusters

Technologies: Terraform, AWS, Kubernetes, ArgoCD, External Secrets Operator, Dynatrace, Python, GitOps

DevOps Tech Lead

Cisco

October 2022 - March 2024 | Poland (Remote) | Full-time

- Leading 10+ people spread across two different teams
- Designing cloud-based applications and platforms
- Enforcing GitOps and DevOps practices
- Optimising existing infrastructure and code
- Enforcing good practices and providing automated code quality checks
- Providing insight into capabilities of technologies for stakeholders

Technologies: Python, Argo CD, Argo Workflows, Argo Rollouts, Kubernetes, Helm, Kustomize, AWS CDK, AWS ALB, AWS EKS (EC2)

Senior DevOps Engineer & Product Owner

Cisco

March 2022 - October 2022 | Cracow (Remote) | Full-time

- Leading a team of 7 engineers
- Designing and improving features
- Improving efficiency of infrastructure (IaC) and logic code
- Improving the efficiency of systems and processes using automation tools
- Providing technical expertise for Business Unit
- Being a PO for the team

Technologies: Python, Docker, Linux, AWS Lambda, AWS API Gateway, AWS Route53, AWS ACM, AWS CDK, AWS Step Functions, AWS EventBridge

DevOps Engineer & Product Owner

Cisco

March 2021 - March 2022 | Poland | Self-employed

- Work in Agile in Scrum
- Maintaining and improving IaaS/Serverless cloud-based applications
- Building Microservice Architecture driven applications
- Improving the efficiency of systems and processes using automation tools
- Supporting team of SMEs in building efficient software for network malfunction detection system
- Acting as a Product Owner in a Agile Scrum Team - planning, communicating and coordinating

Technologies: Python, Docker, Linux, AWS Lambda, AWS API Gateway, AWS CloudFormation, AWS SAM, AWS CloudWatch, AWS Batch (ECS Fargate), AWS S3

DevOps Engineer

Samsung Electronics

January 2022 - June 2022 | Warsaw, Poland | Contract/Freelance

- Setting up an OpenShift Kubernetes cluster
- Maintenance and troubleshooting custom low-level load balancing application for 5G core network
- Developing new tools for troubleshooting network malfunctions on a packet basis on both pod and deployment level
- Introducing Scrum based behaviours into work environment
- Designing, building and maintaining the Hardware Infrastructure
- Configuration and improvement of CI/CD pipelines

Technologies: Python, Bash, Docker, OpenShift Kubernetes, RedHat, Ansible, C++

Associate DevOps & Automation Engineer

QVC

October 2020 - April 2021 | Cracow, Poland | Full-time

- Acquiring experience
- Jira Board administrator for scrum team
- Maintaining and deploying orchestrator tools
- Improving team velocity by automation and documentation

- Teaching others about caveats of tools in use
- Driving automation of processes when working with orchestration platforms to improve efficiency

Technologies: Python, Jira, Ansible, Java, StoneBranch Orchestrator, MOVEit

Intern Python Software Developer

Fast Development

November 2018 - February 2020 | Katowice, Poland | Internship

- Automation of processes
- Data analysis and validation
- Implementing custom web-servers
- Software Development for automation of services in Python in areas such as data analysis and process automation
- Improving the efficiency of the product deployments and testing by building CI/CD pipelines

Technologies: Python, Bash, Apache HTTP Server, Numpy, REST APIs, Jenkins, LXC Containers

Education & Other Experience

Major in Information and Communication Technologies

AGH University of Science and Technology in Cracow

2019-2022 | Education

Leadership Presentation skills TCP/IP networks Unix systems Programming Communication

Having fun

Network Administrator

Konarski Highschool in Oświęcim

2015-2018 | Education

Ops Ansible Systems Administration at Scale Identity and Access Management (IAM)

Network-Attached Storage (NAS)

Co-Owner and Administrator

minecrafc.pl

2012-2016 | Entrepreneurship

Ops Moderation Unix Systems Don't dig below yourself in Minecraft

Featured Projects

Car-Scraper

Python | ★ 0 stars

<https://github.com/simonloach/car-scraper>

Automation for tracking Polish car market for provided car models. It uses Selenium to scrape the price daily and updates the json file with result if there were differences.

data-science python scraping selenium visualization

Resume-Online

SCSS | ★ 0 stars

<https://github.com/simonloach/resume-online>

It generates my CV by filling jinja templates for PDF and HTML and populating it with information from a YAML file and APIs. It is then deployed on AWS using S3 and CloudFront.

cloudfront dns python route53 s3

Discord-Bot-Andrew

Python | ★ 1 stars

<https://github.com/simonloach/discord-bot-andrew>

This is a project for a Discord bot that allows administrators to observe their servers and enforce additional rules like curse blockage or leveling for writing in channels etc. Also it can play music.

asyncio

discord

python

Fullstack-Demo

PHP | ★ 0 stars

<https://github.com/simonloach/fullstack-demo>

Project for university course that was all about web languages and development of frontend and backend.

backend

bootstrap

frontend

javascript

php