Kamil Urbanek

Poland, Katowice urbanek.kamil@gmail.com
https://devnet.blog

> *I've started in/at the bottom of a food chain as a Engineer in Master Control Room team, after a while I changed it to being a *secretary* of a Network Squad Product/Owner. As time pass by, I learned that my laziness have different meanings: Network Automation and DevOps. From that day, I'm trying to tell everyone around me why and how to do it.*

Experience & Projects

- Introduce and maintain an open-source orchestrating application *StackStorm*. Deployed to OpenShift, with Docker images build via pipeline. Third-party components deployed and maintained using Ansible Playbooks.
- Designed and implemented *Source of Truth* (department scope) database along with automatic data distribution to multiple dependent databases. Data models and theirs relations defined as a code, self-documenting.
- Designed, develop and maintain ETL. It includes extracting information from many network device's types and databases.
- Designed, develop and maintain automatic incident resolution for many different network devices based on alerts from monitoring tool.
- Designed, develop and maintain automated patching of network devices.
- Described and implemented firewall policies formulated on the results of data pipeline. Defined set of rules and conditions for data from: traffic logs, IPAM and CMDBs.
- Developed and maintained tens of Python packages such as: API wrappers, `netmiko` handlers, `napalm` drivers, utility scripts, CLI applications. Each of them.
- Trained, guided and mentored colleagues in Python programming and network automation.

Tech Skills

- **Python** – I write more code than emails. As of today, it replaced calculator, Excel, Notepad+. Mostly used libraries: `netmiko`, `napalm`, `requests`, `click`, `pandas`, `rich`, `pydantic`

- **PyCharm** – Still discovering why I want Premium. My main window(s)
- **PowerShell, Bash** – In use. For now, googling skill was enough to get the desire results.

- **Network** – I know . I can move around and find myself in it. Never

Soft Skills

- – Problem finder and solver.
- – English – Yes, we can.

implemented any
routing. I understand
almost everything in network
talking. Close to CCNA.

- **Azure Devops** – Countless Repos,
  many Pipelines, single Artifact.
- **Windows** – I can find or/and set
  whatever is required, for currently
  used Windows
  version on my workstation.

- **RHEL, ubuntu** – Basic administrator
  level.

Jobs

1. **ING Services Polska** – MCR engineer
2. **ING Tech PL** – As a supporting delegate of the Network Product Owner. Very wide scope of (responsibilites? tasks? jobs?). Link business and technical world together.

Education

2013 – 2015 > Górnośląska Wyższa Szkoła Handlowa,

1. df