

Krzysztof Król

Software Engineer

Please visit my **portfolio**: krzkro4122.github.io

I am in love with problem solving and tackling complex problems in a practical way.
I reckon Computer Science and Engineering are both **great outlets** for this passion of mine.
Additionally, I am currently studying Computer Science during the weekends.

Experience



Euroloop by WILLBERT

Backend Software Developer, Full Time

Kraków, Poland (hybrid)

June 2023 - Present

Work on e-Mobility related products, both client-facing and internal.
Mainly software related to **WILLBERT amber family chargers**:

- Maintaining several applications running in an embedded linux environment. Most of them working with CAN, UDP, SSH and other low-level protocols.
Used Technologies: Docker, Python, Bash, C++, ZMQ, Yaml, Json, Flutter
- Writing cloud services for monitoring and managing charging stations.
Used Technologies: Python (FastAPI), Typescript (Next.js, React), PostgreSQL
- Creating CI/CD pipelines for building, testing and deploying on-premise applications, cloud services, on-board charger firmware.
Used Technologies: Bash, Yaml, Python, Javascript
- Configuring, managing and troubleshooting the networking on-board the chargers equipped with routers connected to cloud services for constant monitoring, shell access and over-the-air-updates.
Used Technologies: OpenWRT, UCI, OpenVPN, SSH, Onomondo API
- Creating and maintaining micro-services responsible for manufacturing operations, working with deliveries, forecasting resource demand and availability, managing warehouse stock, controlling the flow of operations during manufacturing, etc.
Used Technologies: Typescript (Next.js, React, Prisma), Redis, Notion, Express.js
- Scripts used for configuring and commissioning on-board devices and networking
Used Technologies: Bash, Python, Uci, OpenWRT, CAN



F5 Networks

Software Engineer II, Full time

Warsaw, Poland (fully remote)

May 2022 - June 2023

Work on **SDN**-based (software defined networks) products:

- Development, maintenance and testing of **VNFM** (Virtual Network Functions Manager) software used for full automation of setting up F5 Network's carrier-grade SDN services.
Used Technologies: Python, Cloudify Manager, Bash, Yaml
- Troubleshooting the spawned SDN services. Debugging the networking structure, virtual servers, traffic routing, firewall services and service configuration.
Used Technologies: Bash, TMSH, BGP, DNS, TCP/IP, OSI Layers 2/3/4-6
- Creating and maintaining CI/CD pipelines for branding, building, testing and bundling the solution.
Used Technologies: GitLab, Bash, Yaml, Python, pytest
- Creating and managing resources in private cloud environments
Used Technologies: VMware vSphere, OpenStack 10/13



Motorola Solutions

Software Developer, Full time

Cracow, Poland

Oct 2021 - Apr 2022 (7 months)

Software Development Intern, Full time

Cracow, Poland

Apr 2021 - Oct 2021 (7 months)

Development and testing of the **LMR** (Land Mobile Radio) systems used for mission-critical communications:

- Populating hardware racks, setting up networking, servers and radio equipment in a fully-fledged data centre and radio frequency laboratory. Manual testing of various software and hardware components along with comprehensive system tests. Troubleshooting networking both physically and in software.
Used Technologies: Linux, Windows Server, Docker, Yaml, On-premise server configuration, DNS, Ping, Gnu-ip, IPerf3, OSI Layers 1/2/3
- Automation of software testing.
Used Technologies: Jenkins, Selenium, Katalon Recorder
- Development and maintenance of internal tools for Radio Frequency site management.
Used Technologies: Python, Django, Angular, Sql

Education



UJ Jagiellonian University

Master of Engineering, Computer Science (extramural)
Oct 2022 - Jul 2024



AGH University of Science and Technology

Engineer's degree, Electronics and Telecommunications
Oct 2018 - Feb 2022

Skills

This CV was made by me entirely from scratch using **Figma!**

I've been a part of many university projects ranging from car colour recognition using **Machine Learning**, to a rotating, IP camera controlled by embedded micro-controllers with **Python** and **C**.

Agile methodology and tools such as **Jira**, **Trelo** and **Notion**.

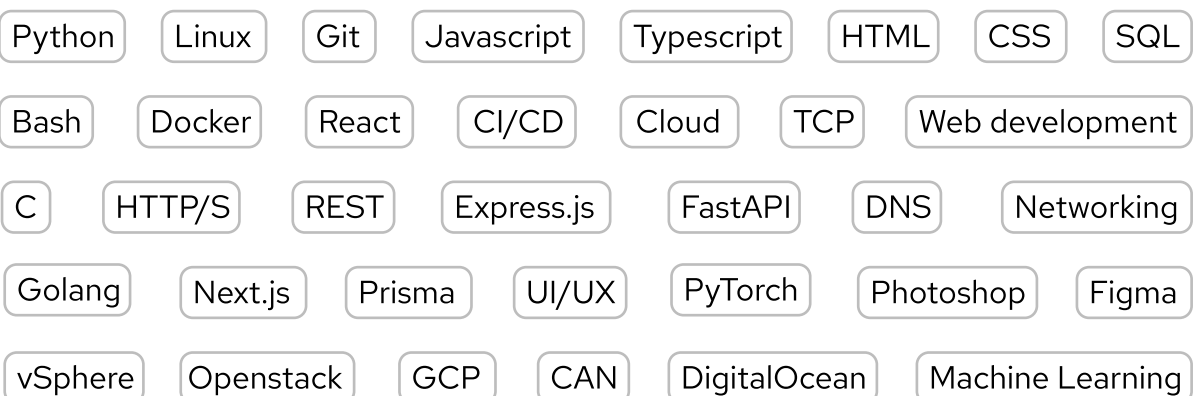
Hosted version control systems such as **GitHub**, **GitLab** and **BitBucket**.

I am a **Linux** and **Git** power-user, a **computer networks** enthusiast and an eager **self-learner!**

Fluent **English** speaker.

I love exploring new things, concepts and technologies 🤖🐙

Known Technologies



Contact



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