

# Karol Kozłowski, Linux engineer/programmer

## PERSONAL DATA

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DATE OF BIRTH 10th August 1984, Wrocław, Poland  
ADDRESS Tadeusza Kościuszki 142c/22 Wrocław, POLAND  
PHONE +48 509 386 374  
EMAIL karol.z.kozlowski@gmail.com

## SUMMARY

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I am an experienced Linux system engineer and software developer proficient in creating and maintaining complex solutions. My skills include experience with database systems, continuous integration, deployment automation, configuration management and source code control. I have been working in medium and large teams as well as a standalone developer and build manager.

## WORK HISTORY

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- 09/2022 - 02/2023 Protocol Labs**, DevOps Engineer - IPFS gateway  
*Building, growing, maintaining and providing guidance on running ipfs and ipfs-cluster at scale with an emphasis on providing a reliable, scaleable and fast gateway service at [ipfs.io](https://ipfs.io).*
- 03/2019 - 09/2022 UBS BSC Poland - Investment Banking**, IT Software Engineer (AD)  
*Cloud engineering team: enabling container-based deployments using VMware Tanzu and AKS. Automating infrastructure deployments with Terraform (IaC). Supporting public cloud migration (Azure).*
- 03/2018 - 02/2019 BNY Mellon Poland**, Specialist Systems Engineer / Programmer (VP)  
*Developing internal container-based deployment platform using **HashiStack** (Nomad + Consul + Vault, Terraform). Improving team's SDLC with automated CI/CD processes. Supporting, refining and improving the deployment and performance of core products as a member of Site Reliability Engineering team. Working closely with the developers and operations teams to provide expertise in root cause analysis or develop automation allowing for self-healing of services.*
- 02/2016 - 02/2018 UBS BSC Poland - Infrastructure & Security Eng.**, Linux Systems Engineer (AO)  
*Developing internal operating system release based on the RHEL. Responsible for rating, testing and delivering security advisories to internal customers. Building and testing **Solarflare** driver and software stack for bank-wide usage. Developing internal tools supporting continuous testing, integration and delivery of various system components.*
- 03/2012 - 01/2016 HERE, a Nokia company**, Senior Systems Engineer  
*Working using DevOps approach to develop automated deployment and configuration platform - a highly available solution to control thousand nodes around the world. Continuous integration and testing of Puppet manifests. Developing in-house solution for package ingestion and distribution (REST). Designing and developing **AWS** integration tools as well as planning on-prem to cloud migration.*
- 03/2008 - 03/2012 Tieto Poland**, Software Engineer  
*Linux system administrator and developer for high-load positioning SUPL protocol service. Build management, integration, design, development and system testing.*

## EDUCATION & COURSES

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- 2015** **Advanced Architecting on AWS**
- 2010** **Advanced MySQL Administration**
- 2003 - 2008** **Master of Science in Electronics and Telecommunication**  
*Wroclaw University of Technology, Faculty of Electronics*
- 1999 - 2003** **High School No. I in Wrocław**  
*profile with extended natural sciences and information technology*

## PROFESSIONAL SKILLS

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- **programming languages:** Python, Ruby, Perl, bash
- **continuous integration:** GitLab CI, Jenkins, TeamCity, Cruise Control, Rake
- **configuration management:** Puppet, RedHat Satellite
- **orchestration:** Ansible
- **databases:** MySQL, SQLite, CouchDB, Postgress
- **development tools:** Vim, GNU toolchain, gdb, valgrind, strace, VSCode
- **software configuration management:** Git, Subversion, Telologic Synergy
- **operating systems:** RedHat, CentOS, Debian, Gentoo, Arch
- **packaging:** RPM, gem, puppet forge, ansible galaxy
- **virtualized environments:** AWS, Azure, Xen, KVM, OpenVZ, VMWare, Mesos
- **containerized environments:** LXC, Docker, Kubernetes, Marathon, Nomad
- **other skills:** LVM, multipath, industrial automation, good knowledge of international IP law and L<sup>A</sup>T<sub>E</sub>X;)

## LANGUAGES

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- Polish** native
- English** full professional proficiency
- German** elementary proficiency

## PERSONAL INTERESTS

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- Music
- Electronics
- Additive manufacturing

