

EXPERIENCE

- Release Engineer (SRE) - SwissBorg**
Mar 2021

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(ongoing) Defining and implementing a roadmap for release process improvement

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(ongoing) Development and maintenance of current tech stack based on EKS, AWS, Terraform, ArgoCD, Jenkins, sbt, gradle

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(ongoing) Acting as L2 support, ensuring platform stability
- Senior DevOps Engineer - Nike**
Aug 2020 - Feb 2021 • 5 mos

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Developed and maintained self-service Apache NiFi platform based on EKS, AWS using Terraform, Helm, Prometheus, K8S Operators, Maven, Jenkins

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Worked directly with customers as a L1 support
- Chief IT Developer - Nordea**
Dec 2019 - Aug 2020 • 7 mos

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Successfully developed **event-driven**, Prow-alike **workflow system** allowing engineering teams to coordinate workloads using pull request comments using Argo, Argo Events, Nix, Bazel, CUE

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Led department-wide process of migration from **OpenShift** to **Docker EE**, including development of **Service Catalogue**

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Reverse engineered **Hyper-V**, **vpnkit**, **linuxkit**, **Docker Desktop** and developed **HVKit**: a suite of Hyper-V extensions, which enabled high performance network access, slirp proxy, shared filesystem, Windows-Linux IPC. This solution addresses Hyper-V, WSL, WSL2 shortcomings. Technologies used: **Hyper-V**, **GO**, **C**, **PowerShell**, **MSYS2**, **socket engineering**.

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Conducted training sessions for development teams on ways of working and engineering culture, based on best practices from open source communities

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Led onboarding and security governance process for **IBM CP4D** solution using **VMWare ESXi**, **CoreOS**, **OpenShift**, **Terraform**, **Ansible**, **CIS Benchmark**.
- Expert IT Developer - Nordea**
Aug 2017 - Dec 2019 • 2 yr 3 mos

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Developed and integrated **Ansible** modules tailored for deployments within Hadoop ecosystem.

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Designed and developed software release process for Hadoop based applications using **Jenkins**, **Ansible**

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Set-up, deployed, and administered numerous, Highly-Available **OpenShift** clusters.

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Designed processes and created ecosystem for reproducible, **microservices** application development, testing, deployment, continuous integration using **Bazel**, **Kubernetes**, **Nix**, **jsonnet**, **Argo**, **sops**, **gitops**, **monorepo**, **distroless containers**, **BitBucket**

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Researched & Developed tools for Engineers to aid day-to-day work in restricted (network and policy-wise) corporate environment.

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Successfully rolled out fully reproducible development environments for engineers using **nix-shell**, customized **NixOS** distribution, offline **NixOS** installer and containerized **static nix** for cluster deployments.

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Conducted trainings and workshops for engineers on topics related to **containerization**, **container platforms**, **build engineering**, **release engineering**, **programmable infrastructure**.

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Developed a framework for reproducible training environments based on **NixOS**, **IPXE**, **Jupyter**.

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Provided tooling and training enabling teams to conduct build & release activities without DevOps engineers.

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Continuously involved myself in promotion of DevOps culture which played significant role in **development of self-sustainable, cross-functional teams** and individuals.

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Started work on **Variability Modelling** and **Software Production Lines** in context of software delivery and deployment. Expected result is an expert system further aiding generation of cusomized workflows and deployments without a need for DevOps engineer.
- R&D Engineer Software - Adva Optical Networking**
May 2014 – Aug 2017 • 3 yrs 3 mos

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Took an active part in a development process of a modular integration and delivery pipeline architecture for a major company project, utilizing technologies such as **Jenkins**, **Phabricator**, **Maven**, **Ant**, **CMake**, **Artifactory**, **AWS EC2**.

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Designed and implemented original, highly generic and extensible framework for completely automated software promotion, releasing, delivery, packaging, and documentation of any product and its component parts on a binary and source code level.

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Development of a set of software libraries streamlining communication with all of the internally used applications, at the same time enabling rapid development of new tools for automation.

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Construction of a tool which allows state visualization of commits across hundreds of repositories in a context of multiple shared releases - combining metadata related gathered from external software life-cycle management systems.

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Created multiple extensions and plugins for internally used build systems such as **Maven** or **Jenkins**.

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Undertook responsibility in processes related to designing, creation, and monitoring of local and cloud-based infrastructure with regard to **infrastructure as code** principles.
- Student R&D Software Production - Adva Optical Networking**
Mar 2012 – May 2014 • 2 yrs 2 mos

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Unix-based systems provisioning, configuration, and administration.

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Development of processes and tools used in waterfall-based software production cycle.

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Management of version control systems **Subversion**, **GIT**, as well as serving support and training for development teams.

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Co-creation and deployment of internal release documentation system.

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Implementation and integration of tools and processes supplying three major project teams with means for code review and static code analysis.

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Development of extensions and plugins for internally deployed systems, such as **Jenkins** or **Phabricator** to suit company-specific work-flows and processes.

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Creation of a self-contained, installable development environment based on Cygwin which eases code review process for developers using Windows machines

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Development of fully versioned, streamlined and reproducible development environment used by developers, testers and automated continuous integration systems based on **Docker**, **Vagrant** and **VirtualBox** systems.

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Creation and utilization tools monolithic Subversion repository conversion into a set of small **Git** repositories, representing components of an entire project.

EDUCATION

- Gdansk University of Technology**
Master of Engineering - Electronics, Telecommunications and Informatics Faculty

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Thesis: *"Evaluation and analysis of modern solutions for automated deployment, scaling and management of containerized applications"*.

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Tech: Nix, NixOS, Docker Swarm, Kubernetes, Openshift, Jupyter.

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Grade: Ongoing
- Gdansk University of Technology**
Bachelor of Engineering - Electronics, Telecommunications and Informatics Faculty

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Thesis: *"Graphical representation system of the physical and logical Local Area Network structure"*.

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Tech: Python, CSS3, HTML5, vis.js, Docker Compose, Redis

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Grade: Upper Second-Class Honours



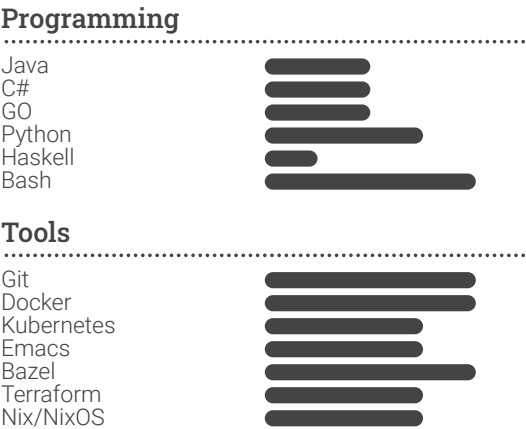
hire@r2r.sh

r2r.sh

github.com/r2r-dev

linkedin.com/in/artur-stachecki

SKILLS



LANGUAGES



COURSES

RedHat • OpenShift Administration
CNCF • Kubernetes Administrator
CNCF • Kubernetes Application Developer

INTERESTS

Operating Systems
Computer Networks
Reproducible Software Development
Reverse Engineering
Knowledge Modelling
Psychology & Leadership
70s Prog Rock and beyond
3d Printing