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## SKILLSET OVERVIEW

Strong character and determination in pursuit of wisdom about global standards and security awareness on distributed information processing

Good understanding in the leading cloud provider technologies, their CI/CD processes, current practices as well as tools and utilities required to operate, test, debug and run risk assessment in modern IT systems, especially in “software as a service” sector

Real “hands on” experience in site reliability engineering, system administration, research and development, security and operations of bare-metal, virtualized and containerized LINUX based distributed systems written mostly in go, java, ruby, .NET, python, nodejs or php

Documented practice in versioning and maintaining changes as well as release management and automation for the first OSS project federated with Polish government over google exposure notification server implementation deployed in google cloud platform

## STRENGTH IN NUMBERS

1.000.000+ service level indicators in largest production cloud deployment  
100.000+ successful pipelines and workflows on private and public repositories  
10.000+ production deployments to private and public cloud environments  
1.000+ maintained client git repositories up to date  
500+ satisfied developers and engineers so far  
15+ years of experience in maintaining software  
5+ years of professional handball career  
1 IHF world championship gold medal

## ACTIVITIES AND INTERESTS

- basketball
- connectomics
- consciousness
- open source software
- user flow automation
- source version control
- continuous integration
- decentralized RPC protocols
- OS and hardware virtualization
- natural language processing
- machine learning algorithms
- post quantum cryptography
- deep learning and computer vision

## PREFERED TOOLS AND LIBRARIES

- ssh, zfs, systemd, eBPF, iptables
- kvm, qemu, lxc, docker, containerd
- crictl, kubectrl, buildah, podman
- checkov, clair, trivy, skopeo
- argo, fluxcd, gitops toolkit
- warp, dnsmasq, nginx, httpd, traefik, caddy
- zfs, nfs, glusterfs, fusefs, ipfs
- wireguard, ipsec, vxlan, tinc
- vault, etcd, consul, scality server, minio
- redis, postgresql, mysql, mariadb, mongodb, couchbase, firebase
- cortex, timescale, influxdb, elasticsearch
- prometheus, promtail, promscale, grafana, kibana
- git, node, nvm, npx, yarn, grunt, gulp
- jenkins, github actions, gitlab and bitbucket pipelines, drone
- gcloud, awscli, az, gh
- ansible, terraform, packer, compose, nomad
- workflowy, clockify, jira, gh-projects
- opencv, tensorflow, openai
- harbor, quay, docker trusted registry
- k3d, k3s, k0s, microk8s
- conda, pacman, pip
- dig, drill, trace

## PREFERED OPERATING SYSTEMS

Arch Linux  
CoreOS/RHCOS  
Alpine  
Debian  
RHEL  
CentOS  
Fedora  
Flatcar  
RancherOS

## ORCHESTRATORS

gcloud, awscli, az, gh  
nomad  
terraform  
ansible  
docker  
compose  
kubectrl  
crictl  
flux  
argo  
k3s, oc, rancher  
wasmedge, wash  
wrangler

## NATURAL LANGUAGES

Polish - base  
English - fluent  
English technical - base  
Polish technical - fluent

## PREFERED FORMAL LANGUAGES

Shell  
Bash  
Python  
Gołang  
HCL  
YAML  
TOML  
Markdown  
NodeJS  
Javascript  
HTML5, CSS3

## EXPERIENCE

### **Spacely Sp. z o.o., Łódź – 2021-2022**

- Introduce automated WASM build workflows on CNCF WASMCloud
- Create build and test workflows for self-hosted Github Actions
- Integrate actions runner controller CRD to self-hosted hardware
- Deploy actions runner controller to self-hosted Kubernetes (K3S) via Helm
- Create OCI compliant self-hosted github actions runner build workflow
- Deploy and integrate Istio service mesh via IBM Calisti Helm chart
- Deploy and integrate Cloudflare Workers via Wrangler
- Site reliability engineering for cloud automation and production CICD
- Create GitOps native multi tenant cluster configuration repository with Kubernetes infrastructure and workloads (Kustomize automation scripts)
- Bootstrap CNCF Flux CD v2 for K8S GitOps automation via Kustomize
- Deploy cloud agnostic distributed KMS based on Hashicorp Vault via Helm
- Deploy AnycableGo replica set using official images via Kustomize
- Deploy Redis replica set using official Bitnami images via Helm
- Deploy PostgreSQL server using official Bitnami images via Helm
- Integrate ingress controller with Cloudflare and Cert Manager
- Integrate distributed logging using Grafana LOKI via Helm
- Integrate deep tracing and metrics system using Grafana TOBS via Helm
- Create and harden default ingress controller in K3S
- Integrate automated software audits and security scans
- AWS IaaS and configuration automation scripts using Terraform and Ansible
- Cloud agnostic Kubernetes cluster deployment in AWS public cloud (K3S)
- Automated workflows, security policies, contribution and developer guidelines, licensing and release management for private open source downstream repositories in Spacely organization (ruby, rust, swift, hcl, javascript, nodejs, yaml)

### **TYTANI24 Sp. z o.o., Sapiens – 2021-2022**

- IaaS deployment of production server solution on Azure public cloud
- IaaS tests and deployment of staging server solution via Packer Terraform and Bash on Azure public cloud
- Deploy, modify and update multiple cloud environments at different stages using GitOps Toolkit
- Create GitOps native multi tenant cluster configuration repository with Kubernetes infrastructure and workloads (Kustomize automation scripts)
- Bootstrap CNCF Flux CD v2 for K8S GitOps automation via Kustomize
- Deploy distributed MongoDB using official Bitnami images via Helm
- Deploy Redis replica set using official Bitnami images via Helm
- Deploy cloud agnostic distributed KMS based on Hashicorp Vault
- Integrate automated software audits and security scans
- Build and compile production OCI compliant artifacts
- Map full functionality of NLP digital platform and its components
- Local development workflow automation, security policies and contribution and developer guidelines for private Sapiens repositories (nodejs, react python, Dockerfile, docker-compose, yaml, make, bash)
- Security assessment for centralized auth server implementation
- Review and complete software bill of materials for centralized auth server solution

### **TYTANI24 Sp. z o.o., BigRentz – 2021-2022**

- IaaS deployment of production server solution on AWS public cloud
- IaaS tests and deployment of staging server solution via Packer Terraform and Ansible on AWS public cloud
- Create, debug and test OCI compliant artifact builder configuration
- Integrate Hashicorp Packer, SaltStack, Terraform and Ansible for smooth transition in sprint cycles
- Review and complete software bill of materials for software CI/CD in SaltStack
- Integrate Hashicorp Packer OCI compliant artifact builder
- Architectural design documents and deployment strategy for modernized AWS public cloud deployment configuration
- Security assessment for current cloud deployment configuration
- Review and complete software bill of materials for AWS public cloud deployment of production server solution

### **TYTANI24 Sp. z o.o., ProteGo-Safe – 2020-21**

- Site reliability engineering for Google ENS and ENVS deployments in Google Cloud Platform
- Continuous integration and deployments for Google ENS and ENVS (golang)
- Contributor and Developer workflows and documentation automation scripts
- Security audit review and QA for ProteGO-Safe software with Securitum
- Deploy and integrate Cloudflare Workers via Wrangler
- Risk assessment and full security audit for ProteGO-Safe software
- Architectural design assessment and review for exposure notification server at special interest group of ProteGO-Safe
- Cybersecurity assessment of contact and/or proximity tracing software BlueTrace, DP-3T, PEPP-PT, Google Exposure Notification Server, Google Exposure Notification Verification Server as well as European Federated Gateway Services

- Automated workflows, security policies, contribution and developer guidelines, licensing and release management for open source upstream repositories in Polish government federated ProteGO-Safe organization
- Automated workflows, security policies, contribution and developer guidelines, licensing and release management for private open source downstream repositories in SafeSafe-App git organization (mostly: kotlin, java, golang, swift, hcl, javascript, yaml)

#### **TYTANI24 Sp. z o.o., SafeSafe-App – 2020**

- Automated workflows, security policies, contribution and developer guidelines, licensing and release management for private open source downstream repositories in federated SafeSafe-App git organization

#### **TYTANI24 Sp. z o.o., Wrocław, Titans24 – 2018-2019**

- Installation, configuration and SysAdmin of containerized logging solution based on Elasticsearch, Kibana and Fluent-bit on hybrid cloud platform
- Installation, configuration and SysAdmin of containerized time series database and monitoring system based on Prometheus and Grafana on hybrid cloud platform
- Installation, configuration and SysAdmin of containerized distributed mysql cluster on hybrid cloud platform
- Optimizing Drone CI/CD pipelines on hybrid cloud platform
- SysAdmin, SecDevOps of OpenSSH servers on hybrid cloud platform
- SysAdmin, SecDevOps of Laravel (PHP, MySQL, Redis) and ChatOps (Slack) integration for hybrid cloud platform
- Graph visualization of deployment composition based on declarative configuration files in YAML format (compatible with docker-compose.yml) written in python using open source graphviz and dot library
- Containerization of LAMP stack on hybrid cloud platform
- SysAdmin, SecDevOps on RAFT consensus algorithm - failure recovery and failover scenarios for hardware downtime on hybrid cloud platform
- Github users and company organization setup for dedicated CD/CD on hybrid cloud platform
- R&D on GitOps methodology (Github centric) and its implications on CI/CD process in distributed computing and software development

#### **25WAT CREATIVE AGENCY, Wrocław – 2017**

- Installation, configuration and SysAdmin of dedicated LINUX Debian x86 servers based on open source cloud computing software Openstack and cloud computing platform OVH
- Installation, configuration and tests of RancherOS (Rancher Labs) - container orchestrating platform

#### **CONNECTOME, Łódź – 2017**

- Installation, configuration and tests of open source Kubernetes platform (GCP)
- Installation, configuration and tests of Openshift Origin platform
- Installation, configuration and tests of native open source container platform Docker Swarm (Docker Inc)
- SysAdmin, SecDevOps of virtual private servers (VPS) with LINUX Debian x86 OS on public google cloud platform (GCP)

- Installation, configuration and SysAdmin for LINUX  
Raspbian/HypriotOS/Arch ARM OS on Raspberry Pi 2 SoC

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### **HOUSEHOLD, Łódź – 1993**

- Installation and configuration of two i386's and their local area network for local transfer of Archives by Robert Jung over TCP/IP model

## **EDUCATION**

### **LV Liceum Ogólnokształcące w Zespole Szkół Ponadgimnazjalnych nr 10 im. Jana Szczepanika w Łodzi – Secondary school**

09 2003 – 06 2006, ŁÓDŹ

### **Publiczne Gimnazjum Nr. 45 im. gen. Stanisława Maczka w Łodzi – Gymnasium**

09 2000 – 06 2003, ŁÓDŹ