

# Zilard Cherry



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github.com/zilard

## KUBERNETES expert (CKS, CKAD, CKA) certifications

- [CKA - Ceritified Kubernetes Administrator](#)
- [CKS - Certified Kubernetes Security Specialist](#)
- [CKAD - Certified Kubernetes Application Developer](#)

## Golang, Python, Rust

Ansible, Puppet, Terraform

CI/CD: GitHub Actions

Currently working at:

## UBUNTU / Canonical

Feb. 2017 – Present as

## MLOps Engineer

Open source contribution:

- [Golang] <https://github.com/aquasecurity/kube-bench>
- [Python] <https://github.com/opnfv/fuel/>

Designed and developed from scratch an automatic Cloud Deployment application in Python for open source project OPNV [opnfv.org](https://github.com/opnfv/fuel/tree/stable/brahmaputra/deploy)

<https://github.com/opnfv/fuel/tree/stable/brahmaputra/deploy>

Implemented Go/Golang REST API server (and client) able to collect Server metrics about Memory and Cpu usage for each process or as a total, and then generate analytics results, like average report. It is Kubernetes/Docker compatible and able to scale through Kubernetes Deployment/Pods

### Golang REST API projects

<https://github.com/zilard/golangaps/ethquery>  
<https://github.com/zilard/metrix>  
<https://github.com/zilard/mongotix>  
<https://github.com/zilard/hazrd>  
<https://github.com/zilard/flight>

### Golang collection of Apps

<https://github.com/zilard/golangapps>

### Rust collection

<https://github.com/zilard/rustcollect>

### PYTHON Datamining

<https://github.com/zilard/datamining>

Work experience:

**Ubuntu / Canonical** Feb. 2017 – Present

Nokia – Bell Labs

Dec. 2015 – Feb. 2017

Ericsson

Aug. 2010 – Nov. 2015

Siemens

Jun. 2005 – Jul. 2010

**MLOps Engineer**

**Platform Engineer**

**Platform Engineer**

Java Developer

**MLFlow, Python, Golang**  
**AWS, GCP, Azure KubeFlow**  
**Spark, Docker, Terraform**

**AWS, GCP**

**Github Actions**

Ubuntu Juju/MAAS

Kong API Gateway

Flannel

Calico

Nginx

**PostgreSQL**

MySQL

**Influx DB**

BPF, eBPF

**Terraform**

**Kubernetes**

Github, **Ansible**

Bash scripting

Ubuntu Linux

Linux Kernel

**Helm**, Istio

**Terraform**

**Prometheus**

**Grafana**, Zabbix

MongoDB

Jenkins

**ArgoCD**

Gerit, YAML

Puppet, Ruby

**Certified Kubernetes Administrator/Developer (CKA + CKAD) - Linux Foundation**

**Certified Kubernetes Security Specialist (CKS) - Linux Foundation**

**Certified Openstack Administrator (COA) - Linux Foundation**

**CISCO CCNA Certification, Linux LPI Certification**

Nokia – Bell Labs

Dec. 2015 – Feb. 2017

Platform Engineer



- Openstack Cloud infrastructure development
- I developed a new feature (Dynamic CPU Pinning) for the Python based Openstack open-source cloud software
- Developed DevOps Puppet plugins for integration and deployment of an Openstack Cloud Software into existing Cloud Infrastructure  
<https://review.openstack.org/#/c/417876/>

Ericsson

Aug. 2010 – Nov. 2015

Platform Engineer



**ERICSSON**

- Openstack Cloud Infrastructure development and testing since 2013
- Developed a Python based Automated Cloud Deployment application for the OPNFV open source cloud project  
<https://github.com/opnfv/fuel/tree/stable/brahmaputra/deploy>

Siemens Medical

Solutions (U.S., PA,  
Malvern)

Jul. 2005 – Aug. 2010

Java Developer

- Developing the Siemens Healthcare Information System, Soarian, for U.S. Hospitals
- Development in Java Enterprise, C/C++, Microsoft SQL Server



## ADDITIONAL EXPERIENCE

- Go language source code knowledge of Kubernetes
- Golang REST API server (and client) able to collect Server metrics about Memory and Cpu usage for each process or as a total, and then generate analytics results, like average report. It is Kubernetes/Docker compatible and able to scale through Kubernetes Deployment/Pods <https://github.com/zilard/metrix.git>
- Python Development (Automated Cloud Deployment application for the OPNFV open source cloud project)  
<https://github.com/opnfv/fuel/tree/stable/brahmaputra/deploy>
- Kubernetes deployment, troubleshooting, administration
- Docker troubleshooting, administration
- DevOps apps: Ansible, Puppet, Jenkins, Git, Gerrit
- Ubuntu Linux Server administration, hacking, troubleshooting, bugfixing
- Openstack Cloud development in Python and deployment automation
- Cloud software and Linux Kernel troubleshooting (C code analysis)
- Kubernetes, Docker, Flannel, Calico, Nginx, Helm, Istio, Prometheus, Grafana, MongoDB, Cassandra, Apache Kafka, Ceph, GlusterFS, Elasticsearch, Logstash, Kibana, Filebeat, Kong API Gateway, PostgreSQL, MySQL, ScyllaDB, LXD/LXC container

## EDUCATION

BSc in Telecommunications and Software Development

University of Transylvania, Faculty of Electrical Engineering and Computer Science

Msc in Telecommunications and Software Development

University of Transylvania, Faculty of Electrical Engineering and Computer Science