

# Jan Sokol

Senior SRE | Kubernetes | Observability | Golang | AWS Solutions Architect (CZ)

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🌐 <https://www.linkedin.com/in/sokoljan/> 🐙 <https://github.com/j-sokol>

## SUMMARY

🚀 Passionate Cloud & Infrastructure Architect & Senior Site Reliability Engineer 🌟

AWS Solutions Architect Professional specializing in crafting robust, highly available, and secure architectures. Proficient in leveraging Docker/Kubernetes and other containerization tools to implement scalable solutions, such as Monitoring & Observability

- Metrics - Company-wide monitoring with Mimir, InfluxDB (TICK stack) & Prometheus,
- Logs - Loki, Elastic (ELK) stack,
- Traces - Tempo,
- Kubernetes (EKS, AKS, OpenShift Container Platform),
- Development of custom microservices written mainly in Golang, such as API Gateways, Prometheus Exporters, OAuth2 proxies, CRUD applications and others
- API Gateways - Traefik, Envoy, Nginx Ingress Controller, Haproxy, AWS API Gateway,
- CI/CD using Azure Pipelines, GitLab, CircleCI & Jenkins,
- Backends & Microservices
- Microservice architecture,
- mostly in Golang,
- Python (Backends - Flask, FastAPI),
- Infrastructure automation (IaC)- Terraform, Ansible for server automation
- Network skills
- Good understanding of TCP/IP,
- local networks, vlan, bonding,
- interest in DDoS mitigation,
- L3-4 firewalls

## SKILLS

<b>SLAs/SLIs/SLOs</b>	<b>Observability</b>	<b>Terraform</b>
<b>Networking</b>	<b>Go</b>	<b>Kubernetes</b>
<b>Microsoft Azure</b>	<b>Site Reliability Engineering</b>	<b>Shell Scripting</b>
<b>Unix Administration</b>	<b>Bash</b>	<b>Solution Architecture</b>
<b>Cloud Computing</b>	<b>Infrastructure as code (IaC)</b>	<b>Continuous Integration and Continuous Delivery (CI/CD)</b>

## System Monitoring

## WORK EXPERIENCE

Nov 2021 - Current

**Site Reliability Engineer (External Consultant)** at

📍 Zurich, Switzerland 🌐 <https://www.linkedin.com/company/swiss-re/>

SRE on the Monitoring and Logging platform. Development of Metrics as a Service platform for the company with opensource technologies such as Mimir, Grafana, Prometheus, Tempo, Loki as an backend, with multiple custom integrations and extensions developed in golang. Fully continuous integration and deployment for both private cloud and Azure environments.

Apr 2020 - Nov 2021

**Cloud Architect / Engineer Consultant** at

📍 Prague, Czech Republic 🌐 <https://www.linkedin.com/company/revolgy/>

Architecture designs for multiple banking applications (PCI-DSS compliant) based on AWS and Kubernetes (EKS), full-filling high availability, disaster recovery, IaC, security.  
Helping customers to submit apps and fulfill requirements of AWS Marketplace.  
Implementing secure and resilient architecture on AWS / Kubernetes with IaC (Terraform), CI/CD pipelines (Gitlab CI, Circle CI), both open-source and AWS Managed services.

Mar 2021 - Sep 2021

**IT Infrastructure Architect Consultant** at

📍 **Prague, Czechia** 🔗 <https://www.linkedin.com/company/deutscheboerse/>

Building a monitoring solution for a OpenShift Container Platform (Kubernetes) with cluster and user workload, using Prometheus and TICK (Telegraf, Influxdb, Chronograf, Kapacitor).

Aug 2019 - Aug 2021

**Backend and Infrastructure** at

📍 **Prague/Taipei** 🔗 <https://www.linkedin.com/company/fuzee-app/>

Jan 2018 - Aug 2019

**TechOps / DevOps / Cloud Engineer** at

📍 **Prague** 🔗 <https://www.linkedin.com/company/deutscheboerse/>

Building Monitoring stack using Telegraf / Influxdb / Chronograf / Kapacitor / Grafana (TICK).

Building logging stack with help of Elasticsearch / Beats / Kibana.

In cloud, with terraform and ansible.

Nov 2017 - Jan 2018

**Student Research** at

📍 **Copenhagen**

Creating and administering big data lab running on Hadoop/Spark.

Jul 2015 - Mar 2017

**DevOps** at

📍 **Prague** 🔗 <https://www.linkedin.com/company/cdn77/>

DevOps/sysadmin on backend of a CDN product.

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**EDUCATION**

2018 - 2020

**Master's degree Computer Science** at Czech Technical University in Prague

2019 - 2020

**Master's degree Computer Science** at National Cheng Kung University

2017 - 2018

**Master of Science - MS Computer Science** at Københavns Universitet

2014 - 2017

**Bachelor's degree Information Technology** at Czech Technical University in Prague

2010 - 2014

**Electrotechnics** at SPŠE Pardubice

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**CERTIFICATES**

**AWS Certified Solutions Architect - Professional**

Amazon Web Services (AWS)

🔗 [https://www.youracclaim.com/badges/c8f6fdb6-d99b-44eb-b9db-831aefe3673d?source=linked\\_in\\_profile](https://www.youracclaim.com/badges/c8f6fdb6-d99b-44eb-b9db-831aefe3673d?source=linked_in_profile)

**AWS Certified Solutions Architect – Associate**

Amazon Web Services (AWS)

🔗 [https://www.youracclaim.com/badges/a577662b-41a7-4268-9e7f-d467db4a4342?source=linked\\_in\\_profile](https://www.youracclaim.com/badges/a577662b-41a7-4268-9e7f-d467db4a4342?source=linked_in_profile)

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**LANGUAGES**

**Czech**

Native Speaker

**English**

Full Professional