

# ALEX ● KASKASOLI

## README

Experienced Infrastructure Security Engineer from a pentesting and red teaming background.

I previously led the DevOps & Security teams at TrueLayer. In that role I drove the design and development of the AWS organization with infrastructure-as-code and infrastructure CI/CD, evangelized GitOps practices across the engineering pool, set up the monitoring stack and hardened the company's overall security posture.

Back in my pentesting days, I conducted security assessments on a range of tech stacks and participated in red team engagements against large organizations. I'm a big fan of leveraging CI/CD pipelines and DevOps tooling for lateral movement and privilege escalation. I'm less of a fan of Active Directory but will make sense of a Bloodhound graph to execute an AD attack path.

During downtime I enjoy traveling and reading extensively: history, hard SciFi and, increasingly, sober tech books. I'm doing a part-time Statistics and Data Science degree to keep busy during the pandemic.

## BLOG

My blog <https://alex.kaskaso.li/> showcases some personal work and projects and includes a critical vulnerability in Kubernetes' Minikube, some thoughts on CI/CD security that were cited on Google's k8s podcast, a custom k8s controller, a framework for conducting DNS rebinding attacks as well as an interesting attack on AWS cloud environments using headless browsers (nominated for PortSwigger's "best web hacks of 2018").

## SKILLS

<b>Cloud</b>  Experienced with <b>AWS</b> and some <b>Azure</b> . Designed multi-account architecture with security in mind. Implemented centralized logging for a large AWS org.	<b>Coding</b>  Affinity with <b>Python</b> , some projects in <b>Golang</b> and <b>Node.js</b> . Dabbled around <b>C</b> and <b>Assembly</b> when working on basic memory corruption vulnerabilities.	<b>CI/CD</b>  <b>GitOps</b> evangelist. Spoke about <b>CI/CD</b> pipelines and security at a couple of local conferences and meetups.
<b>Kubernetes</b>  <b>Kubernetes</b> fan, two years working with it in production. Wrote a <b>custom controller</b> for AWS-backed k8s secrets management.	<b>DevOps</b>  Automating infrastructure and operations with <b>Terraform</b> and <b>Ansible</b> .	<b>Security</b>  Years of experience <b>security testing</b> a wide range of application stacks and infrastructure.

## EXPERIENCE

### Kaluza

Senior Cloud Security Engineer at Kaluza, working on k8s secrets management for the new platform, centralized infrastructure logging for a large AWS org, automating security controls, identifying attack paths across the company and advising engineers in closing gaps.

1.5 years

London, UK

### TrueLayer

Head of DevOps and Security at TrueLayer, working closely with engineering teams and upper management to scale infrastructure, enhance DevOps practices, mitigate security risks and meet regulatory compliance.

1.5 years

London, UK

### MWR InfoSecurity

Security Consultant at MWR InfoSecurity, working on infrastructure, application and simulated attacks. Provided security reviews and recommendations for very large clients in the finance sector.

4 years

London, UK

## SCRAPS OF PAPER

OSCP, OSCE, CRT, CCT

MicroMasters Statistics and Data Science (MIT, in progress)

BSc Ethical Hacking & Countermeasures (University of Abertay)

## CONTACT

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