Sergio Fernández E: acsdesk@protonmail.com T: +34 687 016 994 W: geiser.cloud W2: geiserx.github.io W3: github.com/geiserx

SENIOR CLOUD DEVOPS ENGINEER

I am Sergio, a Senior Cloud DevOps Engineer with over a decade of experience in the IT sector. I love researching, architecting, developing, deploying, and maintaining customer-centric projects. I see myself as tireless, respectful, responsible, resilient, and patient. I'm passionate about clear communication, solid research, and delivering results. My personal mantra is "Strong opinions, loosely held". I began my career in the Telecoms industry, primarily focusing on Network and Software Engineering. In early 2018, I shifted toward consulting and managed services, specializing in Cloud DevOps and Cloud Native solutions—with a special focus on Kubernetes. I am eager to support exciting projects and help scale applications to millions of users.

WORK EXPERIENCE

Claranet Deutschland GmbH

Cloud DevOps Engineer

(Kubernetes, GCP, AWS, Terraform, Helm, GitLab, Jenkins, ArgoCD, Networks, Linux, Databases, Python, Observability) Delivering Kubernetes-based cloud solutions as a Managed Services Provider (MSP) to clients in Germany as a member of the Cloud & App Modernisation Practice, in the Cloud Customers team.

Telcaria Ideas SL

Edge 5G Network Research Engineer

(Kubernetes/K3s, Docker, H2O.ai, Python/Flask, Java/Spring Boot, MongoDB, GitLab CI, ArgoCD, Rio, ELK, Linux, Git) Researching, designing, architecting, implementing, and deploying in the 5G-DIVE European-Taiwanese joint project,

to build a state-of-the-art PaaS (Platform as a Service) and a MLaaS (Machine Learning as a Service) for the edge of the network. Analysis of the CI/CD tooling, as well as the actual integration and deployment.

DevOps Consultant

Culture of Insight

(R, Docker (Compose), AWS)

Led the transformation to perform a DevOps approach, to productionize code for a Twitch application. This included the productionization and guided deployment of a custom analytics service for Twitch.

ACSdesk

GenieACS Engineer

(Linux, JavaScript, Ruby on Rails, MongoDB, Redis, Ansible, Docker, AWS, DigitalOcean, Zabbix, Vagrant, Git) My company—targeted ISPs to deploy and operate GenieACS, an auto-configuration and 0-touch CPE provisioner.

AP Data Services Ltd

Software & Cloud DevOps Engineer

(R, Shiny, ShinyProxy, AWS, Docker, DockerHub Cl, Selenium, Terraform, Linux, Git, Packr) Developed a financial service product for banks in the UK to check data integrity and perform data anonymization.

Good Peoples Connected

Technical Partner (Ansible/AWX, Python, Raspbian, HashiCorp Vault, GitLab)

Architected a custom hardware solution for the hospitality sector, an IoT device to provide Wi-Fi access to clients.

Upwork

InnoXess

(*R*, Selenium, Research)

Worked in a range of different projects, including web scraping and market research.

Anvimur Telecomunicaciones NetDevOps & Software & Systems Engineer (Python, Linux, JavaScript, MySQL, Ansible, Docker, Network Engineering, Git)

Developed and architected software middleware solutions to automate the process of router deployments

NetDevOps & Software & Systems Engineer Switzerland | Mar 2016 - Aug 2017

- (Linux, Ruby on Rails, JavaScript, Apache, MongoDB, Redis, DigitalOcean, Git)
- Developed and maintained GenieACS, including its provisioning flows. Architected different cloud solutions to different clients.

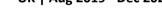
UK | Aug 2019 - Dec 2020

Germany | Jan 2021 – Now

Spain | Jan 2020 – Dec 2020

France | May 2018 - Jul 2019

UK | Feb 2019 - Dec 2019



Spain | May 2016 - Dec 2019

Software & Research Engineer

Spain | Sep 2017 – Sep 2018

UK | Feb 2018 - Jun 2018

NetDevOps & Software & Systems Engineer

(R, Python, JavaScript, MongoDB, MySQL, PostgreSQL, MS SQL, Hyper-V, Linux, Selenium, Ubiquiti, MikroTik)

 Developed a software to auto-configure routers using different networking protocols, synchronizing a range of different databases. Developed a full suite of tooling software in R and Python to diagnose and analyse networking breakdowns. Support on Java application deployments and maintenance.

Repsol

Control & Optimization Engineer

(Windows Server, Batch, FTP, Honeywell Systems, PID Schematics)

- Internship. Developed internal weekly database backup processes with Batch using the FTP protocol.

EDUCATION

Edinburgh Napier University

Master of Science in Data Engineering

- <u>Research</u> summary: Disaster Recovery Analysis of different Cloud Managed Kubernetes Clusters

Universidad Politécnica de Cartagena

Bachelor of Engineering in Telecommunication Systems Engineering

- <u>Research</u> summary: Network engineering and autoconfiguration of networking processes.

TECHNICAL SKILLS

Tools, platforms:Kubernetes, GCP (GKE), AWS (EKS), Terraform, Prometheus, Grafana, Tempo, Loki, Linux,
Ansible (AWX), GitOps, Helmfile, Kustomize, PostgreSQL, MongoDB, Redis, Kuma, ELK,
Docker (Compose), Hashi Vault, GitLab (CI), Jenkins, ArgoCD, Routing & Switching,
Caddy, Nginx, Ambassador, Velero, Duplicacy, RabbitMQ, Kafka, Akamai, Keycloak, Ceph

 Programming languages:
 - Proficient in:
 Python/Flask, R/Shiny, Bash

 - Working knowledge of:
 JavaScript, Java/Spring Boot, MATLAB, C#, Go

CERTIFICATIONS / ACHIEVEMENTS

CKA: Certified Kubernetes Administrator HCT: Terraform - Associate AWS-CSA: Solutions Architect - Associate CAE: Advanced English (C1/C2) HCNA-R&S: Network Associate on Routing and Switching The Linux Foundation | 2021 HashiCorp | 2020 Amazon Web Services | 2020 Cambridge Assessment English | 2020 Huawei Technologies | 2018

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Spain | Apr 2015 - Mar 2016



Electrónica Martínez SL

Spain | Jul 2014 - Sep 2014

UK | Sep 2020 - Jun 2022

Spain | Sep 2011 - Jul 2015