



Sergio Fernández
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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 | <u>Cloud DevOps Engineer</u> | Germany Jan 2021 – Now |
| <i>(Kubernetes, GCP, AWS, Terraform, Helm, GitLab, Jenkins, ArgoCD, Networks, Linux, Databases, Python, Observability)</i> | | |
| <ul style="list-style-type: none">- 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 | <u>Edge 5G Network Research Engineer</u> | Spain Jan 2020 – Dec 2020 |
| <i>(Kubernetes/K3s, Docker, H2O.ai, Python/Flask, Java/Spring Boot, MongoDB, GitLab CI, ArgoCD, Rio, ELK, Linux, Git)</i> | | |
| <ul style="list-style-type: none">- 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. | | |
| Culture of Insight | <u>DevOps Consultant</u> | UK Aug 2019 - Dec 2020 |
| <i>(R, Docker (Compose), AWS)</i> | | |
| <ul style="list-style-type: none">- 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 | <u>GenieACS Engineer</u> | Spain May 2016 - Dec 2019 |
| <i>(Linux, JavaScript, Ruby on Rails, MongoDB, Redis, Ansible, Docker, AWS, DigitalOcean, Zabbix, Vagrant, Git)</i> | | |
| <ul style="list-style-type: none">- My company—targeted ISPs to deploy and operate GenieACS, an auto-configuration and 0-touch CPE provisioner. | | |
| AP Data Services Ltd | <u>Software & Cloud DevOps Engineer</u> | UK Feb 2019 - Dec 2019 |
| <i>(R, Shiny, ShinyProxy, AWS, Docker, DockerHub CI, Selenium, Terraform, Linux, Git, Packr)</i> | | |
| <ul style="list-style-type: none">- Developed a financial service product for banks in the UK to check data integrity and perform data anonymization. | | |
| Good Peoples Connected | <u>Technical Partner</u> | France May 2018 - Jul 2019 |
| <i>(Ansible/AWX, Python, Raspbian, HashiCorp Vault, GitLab)</i> | | |
| <ul style="list-style-type: none">- Architected a custom hardware solution for the hospitality sector, an IoT device to provide Wi-Fi access to clients. | | |
| Upwork | <u>Software & Research Engineer</u> | UK Feb 2018 - Jun 2018 |
| <i>(R, Selenium, Research)</i> | | |
| <ul style="list-style-type: none">- Worked in a range of different projects, including web scraping and market research. | | |
| Anvimur Telecomunicaciones | <u>NetDevOps & Software & Systems Engineer</u> | Spain Sep 2017 – Sep 2018 |
| <i>(Python, Linux, JavaScript, MySQL, Ansible, Docker, Network Engineering, Git)</i> | | |
| <ul style="list-style-type: none">- Developed and architected software middleware solutions to automate the process of router deployments | | |
| InnoXess | <u>NetDevOps & Software & Systems Engineer</u> | Switzerland Mar 2016 - Aug 2017 |
| <i>(Linux, Ruby on Rails, JavaScript, Apache, MongoDB, Redis, DigitalOcean, Git)</i> | | |
| <ul style="list-style-type: none">- Developed and maintained GenieACS, including its provisioning flows. Architected different cloud solutions to different clients. | | |



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Electrónica Martínez SL **NetDevOps & Software & Systems Engineer** **Spain | Apr 2015 - Mar 2016**

(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** **Spain | Jul 2014 - Sep 2014**

(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 **UK | Sep 2020 - Jun 2022**

Master of Science in Data Engineering

- [Research](#) summary: Disaster Recovery Analysis of different Cloud Managed Kubernetes Clusters

Universidad Politécnica de Cartagena **Spain | Sep 2011 - Jul 2015**

[Bachelor of Engineering in Telecommunication Systems Engineering](#)

- [Research](#) 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](#)

The Linux Foundation | 2021

[HCT: Terraform - Associate](#)

HashiCorp | 2020

[AWS-CSA: Solutions Architect - Associate](#)

Amazon Web Services | 2020

[CAE: Advanced English \(C1/C2\)](#)

Cambridge Assessment English | 2020

[HCNA-R&S: Network Associate on Routing and Switching](#)

Huawei Technologies | 2018