Sergio Fernández
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SENIOR CLOUD DEVOPS ENGINEER

WORK EXPERIENCE

Claranet Deutschland GmbH   **Germany | Jan 2021 – Now**

(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   **Spain | Jan 2020 – Dec 2020**

(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.

Culture of Insight   **UK | Aug 2019 - Dec 2020**

(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   **Spain, Switzerland, Chile, India | May 2016 - Dec 2019**

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

AP Data Services Ltd   **UK | Feb 2019 - Dec 2019**

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

Good Peoples Connected   **France | May 2018 - Jul 2019**

(Ansible/AWX, Python, Raspbian, HashiCorp Vault, GitLab)
- Supervised and developed a custom hardware solution for the hospitality sector, an IoT device to provide Wi-Fi access to clients.

Upwork   **UK, Bulgaria, South Africa | Feb 2018 - Jun 2018**

(R, Selenium, Research)
- Worked in a range of different projects, including web scraping and market research.

Anvimur Telecomunicaciones   **Spain | Sep 2017 – Sep 2018**

(Python, Linux, JavaScript, MySQL, Ansible, Docker, Network Engineering, Git)
- Developed software middleware solutions to automate the process of router deployments, as well as leading the transformation process to Ansible for our fleet of servers.

InnoXess   **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.

Electrónica Martínez SL   **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.

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Repsol   **Spain | Jul 2014 - Sep 2014**

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

- Internship in which current systems were studied. 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**