



Alejandro Roca Arroyo

SRE/DevOps Engineer

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📄 Profile

Problem-solving, pragmatic and curious.

Currently working as SRE/DevOps engineer with tasks like:

- Provision **Kubernetes** clusters using **IaC**
- Migrating services from VM to k8s
- Building **CI/CD** pipelines following **GitOps** practices
- Set up metrics and log stream **monitoring**
- **Network** administration
- Incidence management and root cause analysis
- **Cloud** services administration
- **Users** administration
- **Learning and testing** whatever comes around!

🧠 Skills

AWS (EC2, RDS, EKS, CloudWatch, Systems Manager, Route 53, IAM, S3...)

Infrastructure as code (Terraform)

Kubernetes (ArgoCD, Kustomize, Helm, Karpenter, Cluster Autoscaler, Prometheus, Grafana)

CI (Github Actions, Gitlab CI, Jenkins)

Python | **Go** | **R** | **Linux**

Other Tools (Git, Docker, Docker-compose, Jira, Markdown, SQL, MongoDB, pylint, VS code, TDD)

📁 Experience

Nov 2021 –
present
Remote

DevOps Engineer, Byhours 🌐

- DevOps responsibilities for the different Product Teams of the company
- Migrate VM based apps to Kubernetes
 - Created repository for provisioning and configuring the required infrastructure through git commits
 - Repository to bootstrap a Kubernetes cluster with basic monitoring, service mesh and a demo app, all following GitOps principles and reconciliation loops
- Cloud costs optimizations
 - Achieved 30% cost reduction within the first 3 months

Oct 2019 –
Nov 2021
Madrid, Spain

Artificial Intelligence Engineer, HI Iberia 🌐

- Project-oriented team working on state-of-the-art solutions and technology demonstrators for AI applications in different industries.
- Design and Development of Computer Vision applications for Defense, responsible for the AI models.
- Technical Lead in a project on New Materials Discovery to get better batteries.
- Broad experience with technical and dissemination presentations.

Apr 2017 –
Jul 2017
Madrid, Spain

English Teacher, Centro de Extensión Educativa y Formativa

Substitution as an English Teacher for 3 years-old, primary and high school students, as well as adults.

Education

Aug 2017 – Jun 2019 Aarhus, Denmark	Msc. Bioinformatics , <i>Aarhus University</i> Central courses include Algorithms in Bioinformatics, Population Genomics, Next-Generation Sequencing, and Advanced Statistical Methods in Bioinformatics.
Sep 2012 – Jun 2017 Madrid, Spain	Bsc. in Biotechnology , <i>Universidad Politécnica de Madrid</i> Following Computational Biotechnology Itinerary
Sep 2015 – Jul 2016 Zagreb, Croatia	Erasmus Exchange , <i>University of Zagreb</i> Erasmus exchange student and Bachelor Thesis

Languages

English
Highly proficient in speaking and writing

Spanish
Native

Awards

Best Performance Model in the final assignment of "Statistical and Machine Learning in Bioinformatics",
BiRC, Aarhus University

Interests

Self-Hosting Services for Family and Friends (*Nextcloud, Bitwarden, WireGuard and growing!*)

Kubernetes | **Hiking** | **Gaming** | **Travelling**