Alejandro Roca Arroyo

SRE/DevOps Engineer

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 github.com/alekssro ↖ alekssro.com

🖼 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 required infrastructure through git commits
  - Repository to bootstrap a Kubernetes cluster with a demo app within the first 3 months
- 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,** *Aarhus University* 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,** *Universidad Politécnica de Madrid* Following Computational Biotechnology Itinerary
Sep 2015 – Jul 2016 Zagreb, Croatia	**Erasmus Exchange,** *University of Zagreb* 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**