





ALEX RIVAS MACHÍN

COMPUTER SCIENCE ENGINEER

 alerivmac@gmail.com

 alexrivasmachin.eus

 [Linkedin](#)

 [Github](#)

ABOUT ME

I am a 21 years old **Computer Science engineer with hands-on development experience** and a growing specialization in cloud technologies. I have **worked as a cloud developer** with AWS, focusing on scalable cloud solutions. With **AWS Cloud Practitioner certification**, I combine practical expertise with a solid understanding of cloud infrastructure and services.

ACADEMIC FORMATION

B.Sc. in Computer Science Engineering
UPV/EHU - University of the Basque Country

2025

PROFESSIONAL EXPERIENCE

Cloud Engineer AWS
LKS NEXT - May 2024 - August 2024

Automated the setup of a landing zone on AWS, including the initialization of newly created accounts and organizational units using Infrastructure as Code (IaC), **reduced manual resource creation by 8+ hours** using Infrastructure as Code **per workflow run**.

- Automated account and organizational unit creation using AWS Control Tower, Organizations, STS, IAM, KMS, and S3.
- Enabled **Infrastructure as Code (IaC) deployments with AWS CDK**, CodeCommit, CodePipeline, and CodeDeploy.
- Developed custom workflows with YAML/JSON templates, applying DevOps practices and **CI/CD methodologies**.
- Applied **DevOps** practices and CI/CD methodologies throughout the development process.

Bachelor's Thesis at LKS NEXT

LKS NEXT - March 2025 - May 2025

Develop a **tool that automatically and customizes the Landing Zone, tailored to the specific needs of each client**, ensuring and continuously evaluating that the Landing Zone adheres to best practices.

- Designed and implemented AWS Well-Architected best practices:** Analyzed and identified design patterns to ensure networking, workloads, and shared accounts adhere to AWS Well-Architected standards, including serverless solutions and containerized workloads.
- Evolved and automated Landing Zone creation pipeline:** Enhanced the Landing Zone automation pipeline to support feature-based customization (using AWS AppConfig and Feature Flags), integrating AWS Well-Architected Tool for continuous infrastructure evaluation and compliance

CERTIFICATES

- AWS Cloud Practitioner Certificate
- Cambridge C1 Certificate
- Cambridge B2 Certificate

LANGUAGES

- English (Advanced C1)
- Spanish (Native)
- Basque (Advanced)

APTITUDES

- DevOps & Cloud Deployment
- Teamwork and team management
- Continuous improvement cycles
- Work methodologies

TECH STACK

- Amazon Web Services, Azure
 - Git, Github, Gitlab
 - Linux, Unix, Ubuntu, Windows
- Docker, Kubernetes, Terraform, Helm
 - Grafana, Nginx, Prometheus
 - JS, TS, React, Astro, Node
- SQL, noSQL
 - Java, SpringBoot, Android, Python

PROJECTS

AudioRecorder and 2048AI Web full-stack aplication to record audio and transcript it using AI.	WAF-101 Log monitoring using ModSecurity, Nginx and Grafana. Everything orchestrated with Docker.	Bachelor's Thesis - AWS Automatic AWS deployment tool, implementing best practices following the Well Architected Framework.
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