

Alejandro Vega

Date of birth 19/04/1994 | Nationality Spanish/USA

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PROFESSIONAL EXPERIENCE

Senior DevSecOps Engineer Consultant UST, Madrid (Remote work)

05/2022 - 07/2025

Project: Santander Digital Services

- * Development of cloud-native AI applications on AWS.
- * IaC on AWS using Terraform Enterprise and GitHub.
- * Security for serverless workloads on ECS Fargate and AWS Lambda.
- * API deployment and validation with GitHub Actions and Postman.
- * Governance of API Keys and product plans in API Gateway.
- * Implementation and deployment of EKS clusters.

Project: Coches.com

- * Infrastructure as Code in AWS using Terraform and GitLab.
- * Administration of Kubernetes clusters with K9s.
- * Deployment automation with Helm and ArgoCD.
- * Implementation of CI/CD pipelines with Jenkins and GitLab.
- * Administration of databases on AWS (RDS, DocumentDB).
- * Management of development and production environments.
- * Analysis and optimization of app performance, resources, and costs.
- * Observability with Prometheus, ELK, Grafana, and CloudWatch.
- * Access and permission control in AWS IAM and GitLab.

DevOps Engineer Consultant Altran, Madrid (Remote work)

07/2020 - 04/2022

Project: Ericsson

- * Coordination of international teams.
- * Integration of mobile product projects (4G/5G).
- * Administration and maintenance of the CI/CD flow (Jenkins, Git, Gerrit).
- * Configuration of CI/CD pipelines and scripting (Python, Groovy, Bash).
- * Agile methodologies (SCRUM, Kanban, Jira).

DevOps Junior Insinno Spain, Seville

11/2019 - 05/2020

- * Use of version control tools (Git).
- * Development on container platforms (Docker, Docker Compose).
- * Deployment of applications through CI/CD (Jenkins).
- * Experience with Linux systems (Bash, Vim, tmux, SSH, etc.).

SKILLS

Tech Stack

Amazon Web Services (AWS)
Git - GitHub - GitLab
Docker - Docker Compose
Kubernetes - K9s - Helm
Terraform Enterprise - Ansible
Jenkins - ArgoCD
Prometheus - Grafana - ELK

Programming Languages

Python, Bash/Shell,
Groovy, YAML, JSON,
JavaScript, HTML, CSS,
SQL, Java, C++

Methodologies and Tools

Jira, Kanban, Confluence
Slack, Teams
VS Code, Antigravity
Generative AI (LLMs)
WSL - Ubuntu
Vim, tmux, Zsh, SSH...

Others

GNU/Linux - Windows
CI/CD pipelines
App deployments
Infrastructure as Code
Version control management
Computer assembly

EDUCATION

Expert in DevOps & Cloud Computing International University of La Rioja

Main topics: DevOps culture, continuous integration and deployment, software quality. Cloud technologies, infrastructure as code, cloud system architecture patterns, cost management, geographic zone management, monitoring, replication and auto-scaling, networks, storage, etc.

Average grade: 8.6 / 10

Computer Engineering - Computer Systems Engineering University of Seville, *Seville*

Bachelor's degree focused on the design, construction, implementation, and application of modern computer systems, computer networks, and computer-controlled systems.

Average grade: 7.2 / 10

ADDITIONAL TRAINING

AWS Certified Cloud Practitioner, 2023 Amazon Web Services Training and Certification

Understanding of basic AWS concepts, services and architectures, security and billing, best practices, cloud architecture, and tools to create and manage cloud solutions.

Bitnami Bootcamp, 2020 Bitnami, *Seville*

Professional training in development and best practices with Docker, Kubernetes, and Helm. Building and deploying containers with Docker and Docker Compose, and deploying applications on Kubernetes.

Big Data & Internet of Things, 2017 Hogeschool van Amsterdam, *Amsterdam*

Erasmus+ mobility program focused on Big Data and Internet of Things (IoT).

LANGUAGES

Spanish: Native

English: First (B2)

INTERESTS

- Cloud Infrastructure:

Design, implementation, and management of cloud infrastructure and services.

- DevSecOps:

Automation and security-focused process improvement in software development.

- CI/CD:

Continuous integration and deployment in software projects.

ADDITIONAL INFORMATION

Dual nationality:

American and Spanish

Class B driver's license

Car Owner

PUBLICATIONS

Vega-Vaquero, A., Bonora, G., Morselli, M., Vaquero-Sedas, MI., Rubbi, L., Pellegrini, M., & Vega-Palas, M. (2016) - **Novel features of telomere biology revealed by the absence of telomeric DNA methylation.** *Genome Research* 26: 1047-1056.

(<https://genome.cshlp.org/content/26/8/1047.long>)

Impact factor of the journal *Genome Research* in 2016: 11.92 (according to Journal Citation Reports)

Farrell, C., Vaquero-Sedas, M., Cubiles, M., Thompson, M., Vega-Vaquero, A., Pellegrini M & Vega-Palas, M. (2022) - **A complex network of interactions governs DNA methylation at telomeric regions.** *Nucleic Acids Research* 50: 1449-1464.

(<https://academic.oup.com/nar/article/50/3/1449/6513582>)

Impact factor of the journal *Nucleic Acids Research* in 2021: 16.97 (according to Journal Citation Reports)