

# Santiago Fuentes

I am Infrastructure and DevOps Engineer motivated to deploy and managed infrastructure in cloud environments such as AWS and Azure, especially with tools to manage Infrastructure as Code while developing CI/CD pipelines to deploy Infrastructure resources and application code.

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## EXPERIENCE

### Thoughtworks, Quito – Infrastructure Consultant

MARCH 2022 – Present

- **Altus.** Cloud Modernization Project. Infrastructure Consultant. Ecuador
  - Lead DevOps Engineer for a migration process from Kubernetes to AWS ECS, maintaining the same architecture but with AWS manages resources, creating and building docker images that will host the code with an automated process for building and deploying using Jenkins as CI/CD tool.
  - Implementation of IaC configuration for a blue/green deployment strategy for Serverless Sonarqube service.
  - Managing AWS and Azure infrastructure in different environment from Sandbox to Production using tools like Terraform to keep all the infrastructure in code and enable automation for deployment process with Jenkins pipelines.
  - Support the private communication between Azure and AWS with the use of private DNS resolution configuration in both sides of the communication.
  - Configuration and support of the infrastructure that the Data Science Team required in Azure with the use of Data Bricks.
  - Artifacts store with Nexus and scanning of application code using Sonarqube.
  - High level of engagement with the client.
  - Other technologies used in this project are Docker, Prisma, Sonatype IQ Server, Azure Devops Board.

### Thoughtworks, Quito – Developer Consultant – Graduate

MARCH 2022 – DECEMBER 2022

- **Thoughtworks Internal Project, Benefits Portal.** Consultant Developer and Security Champion. Ecuador (October 2022 – December 2022)
  - Security Champion for the project, developing the incident response plan for it.
  - Provision and maintenance of the Dev and QA environments for the application in Google Cloud.
  - Create Docker images for development of the frontend and backend.
  - Tech Stack: Docker, Google Cloud, CircleCI, Angular, Tailwind. Typescript, Java, Spring Boot.

## SKILLS

Strong knowledge in AWS and Azure backed by certification in both clouds.

Terraform Associate certificate.

Practical knowledge in Jenkins pipelines.

Ability to solve problems.

Ability to organize work.

Autonomy and proactivity.

Responsibility at work.

Teamwork capacity.

## LANGUAGES

Spanish (Native)

English (Professional)

- **Thoughtworks Internal Project, Staffing System.** Consultant Developer. Ecuador and Brazil (May 2022 – October 2022)
  - Development of the frontend using React and Typescript with continuous communication with the backend.
  - Unit test implementation of the frontend and backend to ensure a good testing coverage.
  - Implement backend functionality with NodeJS and data store on PostgreSQL DB.
  - Tech Stack: React, Typescript, Tailwind, NodeJS, Express, Sequelize, PostgreSQL, Google Cloud, CircleCI, Docker, Docker compose.
- **Thoughtworks University Program.** Participant. Quito. Ecuador (March 2022)
  - A fully remote, 3 weeks long, global development program that included 1:1 coaching, daily skills sessions, and on-going mentoring.
  - React, Java, Spring Boot, JavaScript, Gitlab, Bootstrap

## EDUCATION

### **Universidad de los Andes Colombia — *Master in Software Engineering***

JANUARY 2025 – PRESENT

### **Armed Forces University ESPE, Latacunga — *Mechatronic Engineering***

OCTOBER 2015 – FEBRAURY 2022

## CERTIFICATIONS

### **[GitHub Foundations \(certification link\)](#)**

Passing the GitHub Foundations certification exam validates subject matter expertise by measuring entry-level skills with GitHub basics like repositories, commits, branching, markdowns, and project management.

### **[AWS Certified: AWS Solutions Architect Associate \(certification link\)](#)**

Earners of this certification have a comprehensive understanding of AWS services and technologies. They demonstrated the ability to build secure and robust solutions using architectural design principles based on customer requirements. Badge owners are able to strategically design well-architected distributed systems that are scalable, resilient, efficient, and fault-tolerant.

## **[HashiCorp Certified: Terraform Associate \(003\) \(certification link\)](#)**

Earners of the HashiCorp Certified: Terraform Associate certification know the basic concepts, skills, and use cases associated with open source HashiCorp Terraform. They understand and can utilize Terraform according to the certification objectives. Additionally, they understand why enterprises choose to extend Terraform Open Source with Terraform Enterprise to solve business critical objectives.

## **[Microsoft Certified: Azure Fundamental AZ-900\(certification link\)](#)**

Earners of the Azure Fundamentals certification have demonstrated foundational level knowledge of cloud services and how those services are provided with Microsoft Azure.

## **[AWS Partner: Accreditation \(Technical\)](#)**

Earners of this badge are AWS Partners who have developed fundamental, technical knowledge of AWS cloud computing, global infrastructure, services, solutions, migration, and security.

## **[AWS Partner: Cloud Economics Accreditation](#)**

Earners of this badge are AWS Partners who have demonstrated knowledge of cost savings and data center economics in relation to cloud computing.

## **[Training in leadership, public speaking, mental reengineering, memory, and speed reading](#)**

Obtaining the title of expert in study methods and synaptic reading

## **[Toefl ITP](#)**

Getting B2 level

## **[COURSES](#)**

- AWS Certified Solution Architect Associate ( [Cloud Guru Certificate](#) )
- HashiCorp Certified Terraform Associate ( [Cloud Guru Certificate](#) )
- DevOps Essentials ( [Cloud Guru Certificate](#) )
- Introduction to Containers and Docker ( [Cloud Guru Certificate](#) )
- Introduction to Kubernetes ( [Cloud Guru Certificate](#) )
- Kubernetes Essentials ( [Cloud Guru Certificate](#) )
- AZ-900 Microsoft Azure Fundamentals ( [Udemy Certificate](#) )
- Azure Basics for Business ( [Udemy Certificate](#) )
- Terraform for AWS ( [Udemy Certificate](#) )
- NodeJS Web development bootcamp ( [Udemy Certificate](#) )
- React Front to Back ( [Udemy Certificate](#) )
- Clean Code with Java ( [Udemy Certificate](#) )
- SOLID Principles ( [Udemy Certificates](#) )
- Introduction to Python Development ( [Cloud Guru Certificate](#) )

- Arduino programming (Armed Forces University ESPE)
- Basic to advanced Excel (Udemy)