

ANDRÉS HERNÁNDEZ

SOFTWARE DEVELOPER



Colombia



edanhebla1213@gmail.com



+57 318 694 4748



<https://www.linkedin.com/in/andrés-hernández-927384213/>



<https://github.com/AndresH1213>

Webpage: <https://andresh1213.github.io>

SUMMARY

Software Developer with 2 years of experience, a **strong focus on backend** development building **Restful APIs** and Software as a Service (SaaS) products on the cloud (AWS). Interested in working with **serverless** a **microservices architectures**. I enjoy crafting solutions that center on propelling business growth by proposing innovative ideas.

EXPERIENCE

Software Engineer

Alegra S.A.S, (Remote)

February 2022 - Present

- Developed new features for a REST API used for electronic billing and payment processing, serving over 100,000 users and processing over **1,000,000** electronic invoices per month.
- Implemented serverless architecture solutions, using asynchronous event-driven flows to **improve** API response **time by 60%**.
- Added unit and **integration tests**, covering critical points of the API. Leveraged **Jest**, **Bash** scripts, and **Python** to automate processes and set up local environments. Also implemented a **Continuous Integration/Continuous Deployment** pipeline in AWS, improving deployment speed and methodology.
- Improved API response time by **150% (from 7.5s to 2.5s)** by redesigning the initial flow.
- Led the project and added new features requested by the business, supporting the issuance of over 20,000 electronic invoices per month. Utilized **Serverless Framework** with Node.js and **CDK** for Infrastructure as Code.

Fullstack Developer (Freelance)

March 2021 - December 2021

Ecogaia - *Ecommerce* ([Live Demo](#)) - ([Github Code](#))

- Built a **full-stack** application for a client using **MongoDB**, **Express**, **Angular**, and **Node.js** to manage and deploy products. Implemented a containerized infrastructure using **Docker** and Serverless **Fargate**, leveraging tools like the AWS Cloud Development Kit.
- Utilized **AWS services** to deploy, host, and manage the application, ensuring high availability and scalability.

Disgrafic - *Company Webpage* ([Live Demo](#)) - ([Github Code](#))

- Designed and developed a web application using **Angular 8+** for a lithography company to showcase their products and allow users to request quotes for printing jobs.
- Utilized HTML and CSS to create an attractive and responsive **user interface**.
- Set up the infrastructure using Serverless Framework as code. The backend was developed using **AWS Lambda** functions written in **Python** served through an API Gateway.

PERSONAL PROJECTS

HASHIBIS - Fullstack application - ([Live Demo](#)) - ([Github Code](#))

- 4 microservices (rest) built on AWS Lambda functions using **Typescript** and utilizes **DynamoDB** for data persistence.
- Implements **CI/CD pipelines** using AWS CodePipeline for continuous deployment, and utilizes Serverless Framework and CDK for infrastructure as code, making it compatible with different environments

FORMATION

AWS Developer Associated (February 2023)

Certified in designing, deploying, and maintaining AWS-based application, understanding core AWS services, practices and methodologies

Online Formation

Self-Taught Software Developer with 2500+ Certified Hours of Online Learning

Bachelor of Earth Sciences (Geology) (August - 2021)

Minor in Geostatistical and Data Analysis - Universidad Industrial de Santander

SKILLS

Python - Javascript - Typescript - NodeJS - Angular - React - Django - MongoDB - SQL - DynamoDB
Amazon Web Services - Docker - Serverless Framework - AWS CDK - Agile methodologies