

# ANDRÉS HERNÁNDEZ

## SOFTWARE DEVELOPER



Colombia



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

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### 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.

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### 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, leveraging asynchronous event-driven flows to significantly enhance API response time by **60%** (Colombia Project). Also successfully redesigning the initial flow to achieve a time improvement of **150% (from 7.5s to 2.5s)** (Panama Project).
- 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.
- Led the project and added new features requested by the business. Utilized **Serverless Framework** with Node.js in the backend and **CDK** for Infrastructure as Code.

#### Fullstack Developer

March 2021 - December 2021

Ecogaia - *Ecommerce* - ([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.

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### 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

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### FORMATION

**AWS Solutions Architect Associated (June 2023) & AWS Developer Associated (March 2023) [certs]**

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

**Online Formation [certs]**

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

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### SKILLS

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