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Edgar J. F. Delgado!

Architect / Full Stack Developer



PERSONAL INFORMATION

BIRTHDAY : 4 dec 1985

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Location : Bogotá, COL

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LANGUAGES

Spanish : native  
  
English : fluent  
  
French : fluent

INTERESTS

Software Architecture  
  
Artificial Vision  
  
Scrum  
  
Data Science  
  
Ride Bike

HELLO, EDGAR DELGADO

I love tech challenges.  
Through my experience I got the hability to prioritize and execute goals using scrum.  
I love to work in teams with any expertise; I know how to explain complex technology in an easy way to my peers; also I learn fast from talented engineers working together.  
I understand easily bussines data then I can provide solutions to meet user needs;  
I have the courage to work on new business and technologies because I learn fast on the way.

In my personal life, I'm a happy father since 2018 and all I have is a God gift.

HIRE ME

RESUME

FORMATION

2017 - 2021

Training & Certifications

Online  
2021 - AWS Partner: Foundations (Technical) ([certification](#), [certification](#))  
2021 - AWS Professional Services: Security Best Practices ([certification](#))  
2020 - NodeJS, Typescript & repository pattern ([certification](#))  
2020 - AWS Serverless, Lambdas & Api Gateway ([certification](#))  
2020 - Microservices with Spring Cloud ([certification](#))  
2017 - Programming in HTML5 with JavaScript and CSS3 ([certification](#))

2010 - Jul 2011

Master Research

Master's degree - INSA Lyon, France  
I researched with a team how to improve vessel segmentation and asses abnormalities.  
  
I improve writing and verbal communication. I was part of the team that made several scientific publications ([degree certification](#)).  
  
I supported the following publications:  
  
Automatic detection of abnormal vascular cross-sections based on density level detection and support vector machines ([PubMed.gov](#))  
  
Adaptación del algoritmo Maracas para segmentación de la artería carótida y cuantificación de estenosis en imágenes TAC ([redalyc.org](#))

2009 - 2011

Master in Engineering - Computer Science

Universidad de Los Andes  
I got deep training in architecture and writing communication ([degree certificate](#))

2002 - 2009

Bachellor Degree - Computer Science

Universidad de los Andes  
I got a strong technical formation and the hability to discover real user needs ([degree certificate](#))

2002 - 2007

Bachellor Degree - Electronic Engineering

Universidad de los Andes

RESUME

# WORK HARD AT

Aug 2023 - today

## Project Manager

Policía Nacional de Colombia

We develop a Virtual Reality Experience over [Unreal Engine](#) using [Meta Quest Pro](#) VR glasses, [Manus](#) trackers and gloves to improve police training.

The 3d scenarios were created using photogrametry with drone and professional cameras with [Blender](#).

The desition tree of NPC and avatar was developed outside Unreal Engine with a centralized [Node server](#) using [Socket.io](#) to meet real time constrain.

We simplify the development using [Docker Compose](#), [Terraform](#) and [Cloud Run of Google Cloud Platform](#) for the Node server component and [MySQL](#) database.

2022 - Aug 2023

## Architect

Panal - Start Up

We designed and developed a mobile hybrid application to benefit entrepreneurs through the social network: [PANAL Comunidad](#), also available in [Apple Store](#) and [Play Store](#).

PANAL Comunidad backend is developed using the [Google Cloud Platform](#), including [App Engine](#), [Firestore Real Time Database](#), [Firestore Authentication](#). In the other hand, front end is developed using [React Native](#) and [Figma](#).

At the same time, we improve the financial web application [PANAL Pesos](#); adding new functionalities like [Market Size Analysis](#) and adding users suggestions.

Dec 2021 - May 2022

## Architect

Popular - Crédito Hipotecario ADL (Aval Digital Labs) - full time remote - leader

This project improve dramatically the mortgage credit process of Banco Popular; the pre-approval of a mortgage loan lasts days before this project, now it's done online in minutes.

I got involved in the project in a difficult situation after the architect quit. The 2021 had high labor turnover claiming almost all the developers team. We rebuilt the team starting from just one remaining developer.

I resumed the project and I had to face the first product launch.

The frontend uses Micro Frontends over [ReactJS](#) using [WebSockets](#) to communicate. The backend uses serverless componetes ([AWS Lambda](#)) orchestrated with [AWS Step Functions](#).

All the project uses Hexagonal Architecture, Domain Driven Development, Behavior Driven Development, uses CI/CD and it is based in Scrum sprints with the shortest time box of 1 week.

The Ethical Hacking Test done by [Entelgy](#) found 4 vulnerabilities; we solveded each one whitin the expected period of 3 weeks.

Aug 2021 - Nov 2021

## Architect

Aportes en Línea - ADL (Aval Digital Lab) - full time remote - leader

I continue leading the previous team and also I'm in charge of: [Cost optimization](#), e.g. fixing unnecessary backups regarding its lifecycle of [AWS Dynamo Backups](#). [Operation efficiency](#), e.g. improve the user creation avoiding side team dependencies.

from the ETL ([AWS Glue](#) y [AWS EMR](#)), then a NoSQL database ([AWS Dynamo](#)) and at last with the API and batch endpoints.

As a sidework I was involved in the recruitment process of the enterprise doing technical assesments.

Jan 2021 - Jul 2021

### Tech Leader

ADL (Aval Digital Lab) - full time remote - leader

I empower a new dev team to embrace the ADL guidelines and the scrum culture. I was committed to evolve the architecture according with the aws well architecture.

My previous boss chose me to give continuity with the new team because I have a complete business and technical perspective, also because I have the ability to train new collaborators verbally or in writing.

We reduced the cost by 85% of one of the components that was causing the most pain to stakeholders. We avoid rewrite unchanged data.

Twice I developed the architect's role while his vacations.

March 2020 - Jan 2021

### Senior Backend Developer

ADL (Aval Digital Lab) - full time remote

We developed the improved 2nd version of Aportes en Línea's Web Service -it's core business is data comercialization-.

We work in an organized auto managed team. We develop using the scrum framework, the Test Driven Development and Gherkin methodologies.

The stakeholders obtained a new service easy to evolve and scale because was built on top of aws cloud technology.

Some of the aws components used: Glue, EMR, Dynamo, Lambda, Batch. Some languages used: javascript, typescript, go, python, java.

Aug 2018 - March 2020

### Architect - Full Stack Developer

PANAL Centro de Emprendimiento - presencial

I was committed to desing and evolve a web platform to make financial projections and verify if some bussines goal is profitable before it starts and help to raise investment.

CEO [Lorena Roa](#) asked me to start this great project as the main technology collaborator because I stood out in a previous startup we worked together.

One great challenge was to translate the financial knowledge of the Professor and Finantial Consultor [Jhon Jimenez](#) to the platform.

We worked with a scrum based framework. The service was developed to be flexible, stable, testable and easy to use.

Some tools used: wordpress, gulp, angularjs.

Aug 2017 - Aug 2018

### Junior Architect

HBT (Heinsohn Business and Technology) - leader

I worked as member of the architect comitee, I had to give support to various teams. In order to facilitate CI/CD of the Midas project, I automated the compilation process of hundred of Delphi applications. I developed it with Maven.

I led the Asopago's front-end team; I had to deliver the basis and standars above the entire project front-end was developed.

WHAT I'M



Good transmitter of technical knowledge

Multiples times peers highlight it. Also, multiple times I'm in charge of it.



Focused

I obtain what I want because I learned the discipline of stay focused.



Creative & Curious

I like to discover multiples ways to obtain solutions, I also ask the team to get new points of view.

WHAT I DO

EXPERIENCE WITH

Google

amazon

WordPress

Angular

Terraform

Bootstrap

Java EE

WHAT I DID

ACHIEVEMENTS



5+ SATISFIED EMPLOYERS since 2008



3+ TIMES LEADING TEAMS



5+ PROGRAMING LANGUAGES with EXPERIENCE