# NICOLÁS ZAPATA ÁLZATE

Software Developer

## PROFILE

I am a programmer, I developed pieces of software with a lot of kinds of programming languages, libraries, and Frameworks.

My special work field is the Artificial Intelligence, I did too many projects with Machine Learning Tools, my thesis was a supervised model using a training set made manually. And I also helped teams to grow their businesses with AI tools.

## CONTACT

**UBICATION:**
Manizales, Caldas, Colombia.

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**WEBSITES AND SOCIAL MEDIA:**
**Website:**
*https://portfolio-nicolas-zapata-a.fly.dev/*
**Github:**
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**Linkedin:**
*https://www.linkedin.com/in/nicolas-zapata-al/*
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## SKILLS

Creativity
Critical thinking
Teamwork skills

## EDUCATION

**Google AI Essentials**
August 2023
Those who earn the Google AI Essentials certificate have finished five modules that are designed to prepare them to integrate AI into their work. They have a foundational understanding of AI principles and practical experience applying generative AI tools to workplace tasks. They have developed the skills to write clear and effective prompts, determine if an AI tool is right for a given task, and use AI responsibly. Likewise, they have applied their knowledge through hands-on activities and assessments.

**Bachelor In Informatics Engineering - UNIR (Fundación Universitaria Internacional de La Rioja)**
February 2019 – July 2023
Emphasis of Computer Engineering, Systems Engineering and Software Engineering.

## WORK EXPERIENCE

**Software Developer – Quanam Group, Colombia**
November 2023 – May 2024
Development of Modules for Enterprise Solutions with the Odoo16 Tool using Python, XML and JavaScript when was required (JavaScript Odoo Owl standard). That's the projects that we worked for our clients.

**IT Support – Conviventia Colombia**
February 2023 – April 2023
During my tenure with the foundation, we spearheaded the creation of a comprehensive dashboard to track and categorize entrants for the 2023 term, classifying them as Interns, Volunteers, or foreign participants. This dashboard, developed using Google Sheets and sourced data from JotForm, showcased my proficiency in data manipulation and visualization.

**Mobile Developer (Flutter) – Vibbo**
April 2021 – May 2021
As a key contributor to a startup, we were using Flutter to drive the development of a mobile application. We successfully synchronized

## LANGUAGES

Spanish (Native)
English (B1)

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data through RESTful APIs, extracting information from a PostgreSQL database visualized in Fast API through authentication.

**Mobile Developer (React Native) – Digital Brainly Solutions**
January 2021 – April 2021
Create chat UI template with React Native, used for a big app for the communication with the costumers.

## PROJECTS

**Thesis: Coffee's image classification algorithm through training set**
Made manually a training set with red and green beans of coffee from the familiar farm, and it was uploaded to a tool called Teachable Machine. This tool uses an algorithm which creates a model based on a Supervised Learning model.
Repo: *TFG Nicolas Zapata Alzate.pdf*

**To do React Vite**
Task list application developed using React with Vite.
Repo: *https://github.com/NicolasZapata/TodoReactVite*

**Jetpack Compose Application**
Mobile application for Android developed natively, it is a demonstration using the Jetpack Compose methodology in Kotlin.
Repo:
*https://github.com/NicolasZapata/Jetpack-Compose-Application*

**Fast Web Node.js Practice**
Web page developed with the Node.js tool.
Repo: *https://github.com/NicolasZapata/FastWeb-NodeJs-Practice*

**Classification Tree UNIR**
Classification tree made in Python with the Sklearn, pandas and NumPy. The goal was creating a classification tree using words extracted from the data of a csv format file.
Repo: *https://github.com/NicolasZapata/Classification_Tree_UNIR*

**OpenCV – UNIR**
Image manipulation laboratory using Python and OpenCV.
Repo: *https://github.com/NicolasZapata/OpenCV-Unir*

**Data Mining – UNIR**
Data processing using Python with DTale.
Repo: *https://github.com/NicolasZapata/Data_Mining_Unir-1*

**Fashion Deep Learning**
Created with Python and the libraries TensorFlow, Keras, NumPy and Matplotlib, a training of a clothing dataset is done, they are extracted using floating values.
Repo:
*https://github.com/NicolasZapata/Fashion-Deep-Learning---Semillero-Quinoa*

## CERTIFICATIONS

**Java Career – Platzi**
- **Java SE Basic Curse**
- **Java SE Advance Curse**
- **Java EE Curse**

**Android Curse – Platzi**
**Firebase for Web - Platzi**
**Data Base Fundamentals - Platzi**
**Git & GitHub Fundamentals – Platzi**
**JavaScript Fundamentals – Platzi**
**Customer Care Foundation's for IT Professionals – LinkedIn**

## KNOWLEDGE

Android Studio
Kotlin
Java
React
React Native
JavaScript
SQL
PostgreSQL
Firebase
Flutter
Angular
NPM
Node.js
Electron
Bootstrap
Python
HTML
CSS

## ACHIEVEMENTS

- Android projects created using Java, Kotlin, and React Native.
- Machine Learning projects with Python and R.