

# Tony Barreto

## Software Developer

Skills in C/C++, Javascript, Python, React-Native, ARM, CAN, HTML, CSS, and SQL. Automotive engineer with experience in software development, result-oriented, distinguished by my ability to solve problems, and interpersonal skills. Passionate about creating digital products in the tech industry with a positive impact on society.

## PROFESSIONAL EXPERIENCE

### DRIMOV INC

Founder

Lima, Perú

March 2019 – Nowadays

- Developed and implemented a ride-sharing service app (React native, CSS Tailwind, Typescript, NextJS, MERN Stack)

### PROFESSIONAL TYRES S.A.C – Continental Tyre Retailer

Post Sales Manager

Lima, Perú

April 2016 – April 2020

- Increased customer satisfaction by 50% through the implementation of a tire management system (Tablets, HTML, CSS, JavaScript, SQL).
- Reduced customer service time by 50%.
- Led operations of the technical department (10 people), reducing turnover by 40%.

## PROJECTS

### SOFTWARE ENGINEER – Optimal Route Calculation Tool (C, React, Google Maps API, Docker)

Personal Transportation Project 

- Developed a real-time routing tool using Google Maps API with a C-based backend for GPS data processing and a React frontend for map visualization, containerized with Docker for scalable deployment.

### SECURITY ENGINEER – Secure Connected Vehicle System (C, C++, OpenSSL, Fuzzing, CAN)

Personal Security Project 

- Developed a secure communication system for vehicle networks using CAN protocol, integrating AES encryption and fuzz testing to identify vulnerabilities and ensure robust security.

### FULL-STACK DEVELOPER – Swapper Exchange (NextJS, Tailwind, Rust, Actix Web, MongoDB)

Collaborative Holberton School final project

- Developed a cryptocurrency exchanger. Frontend, Backend, and Database.

### FULL-STACK DEVELOPER – mTire SOFTWARE (HTML, CSS, SQL, JavaScript, NodeJS, ExpressJS)

Freelance project

- Developed a tire management system for transportation fleets. Frontend, Backend, and Database.

### Project: AirBnB clone




#### a) AirBnb Clone Database and Deployment of Static Web (MySQL, Fabric)

- I built the database and configured the server with Nginx, distributed files among servers, and deployed the static page using Fabric.

#### b) AirBnB Clone Web Framework RESTful API Dynamic Web (Python, Flask, JavaScript, JQuery)

- I developed routes with Flask to render pages and an API that responds to different types of requests, as well as functionality for both front-end and back-end.

## CONTACT

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- [tony.barretor@gmail.com](mailto:tony.barretor@gmail.com)
- Portfolio 
- LinkedIn 
- GitHub 

## EDUCATION

### City College of San Francisco

Associate Degree Computer Science

January 2025 – May 2025

### HOLBERTON SCHOOL

Foundations in Computer Science

October 2023 – March 2024

### PONTIFICAL CATHOLIC UNIVERSITY OF PERU

Master Business Administration (MBA)

2020 – 2022

### EADA BUSINESS SCHOOL –

### BARCELONA

Python, Fintech, Blockchain and Tableau

2022

### UNIVERSITY ADOLFO IBANEZ - CHILE

Economic Philosophy, Econometrics and Project Evaluation

2021

### TECHNOLOGICAL UNIVERSITY OF PERU

Bachelor Automotive Engineering

2010 - 2014

## OTHER CERTIFICATIONS

Introduction to Cybersecurity – CISCO

Networking Academy 2024 

## TECHNICAL SKILLS

### PROGRAMMING LANGUAGES

C/C++ | Python | JavaScript | Rust

### TECHNOLOGIES

React | Angular | MongoDB | MySQL | Kubernetes | Docker | CAN | x86 | ARM  
NextJS | Shell | Git Version Control | RESTful API

### TOOLS

Trello | Slack | Office | Design Thinking | 5S | Customer Journey Map | Render

## SOFT SKILLS

- Leadership
- Problem solver
- Work under pressure
- Negotiation

## LANGUAGES

- Spanish (native)
- English (C1)
- German (B2)
- Chinese Mandarin (A1)