

Santiago Castro Muñoz

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I am a software engineer with over 2 years of experience, passionate about web development, cloud, blockchain, and machine learning. I excel at solving complex logical puzzles, love learning, and thrive on facing new challenges. I am highly organized and dedicated to finding efficient solutions to concurrent problems, ensuring both quality and performance in my work.

PROFESSIONAL EXPERIENCE

BUCKS

Head of Development and Team Leader

Bogotá, Colombia

July 2024 - Now

- Enhanced Bucks Finance by adding Providers and Products Management modules using AWS Step Functions, Express.js, React.js, and MongoDB.
- Improved Providers and Products classification with OpenAI vector embeddings and MongoDB vector similarity search functionality.
- Led the transition of the Express backend from JavaScript to TypeScript, focusing on data validation, maintainability and security.
- In charge of organizing the Frontend Team on redesigning the platform's causation module, sidebar, and login page using Tailwind CSS and Shadcn/UI for a better maintainability and user experience.

INNOVATECH CONSULTING & SERVICES

Frontend developer

Bogotá, Colombia

October 2024 - Now

- Implementation of opportunities module's UI based on React, TailwindCSS, Shadcn/UI and Google Maps.
- In charge of deployment configuration with Docker and Vite SSR hosted on AWS, assuring security on the Front End application.

TALLERES ESPERANZA FOUNDATION

Teacher and web developer (Internship)

Bogotá, Colombia

July 2024 - November 2024

- Office automation teacher for people with learning difficulties
- Development and deployment of snack web application based on Angular and FastAPI hosted on Vercel.
- Recognition for commitment, responsibility and dedication during the internship

TECFICON

Freelance developer

Bogotá, Colombia

December 2022 - March 2023

- Integrated DocuSign in PHP to automate document signatures for a legal web application.
- Built a Python Tkinter desktop app to automate tedious forms completions on different applications, managing to fill them out only once.

PONTIFICIA UNIVERSIDAD JAVERIANA

Student tutor

Bogotá, Colombia

July 2022 - November 2023

- Instructor of Introduction to Programming and Data Structures subjects.

EDUCATION

PONTIFICIA UNIVERSIDAD JAVERIANA

Systems Engineering

Bogotá, Colombia

July 2021 - Now

Honors: Proof of academic excellence (2021-30, 2022-10, 2022-30, 2023-10, 2023-30, 2024-10)

ACHIEVEMENTS

AMAZON WEB SERVICES (AWS) AWS Academy Machine Learning Foundations	<i>December 2024</i>
AMAZON WEB SERVICES (AWS) AWS Academy Cloud Foundations	<i>November 2024</i>
TALLERES ESPERANZA FOUNDATION Recognition for commitment, responsibility and dedication during the internship	<i>November 2024</i>
DEVTALLES Docker - Guía práctica de uso para desarrolladores	<i>March 2024</i>
SOLANA FOUNDATION Winner Hack Series Bogotá	<i>February 2024</i>
REDIS RU 101	<i>December 2023</i>
DEVTALLES Legacy - Node: De cero a experto	<i>November 2023</i>
MICROSOFT GitHub Universe Cloud Skills Challenge	<i>November 2023</i>
PYCON COLOMBIA PyCon attendance	<i>June 2023</i>
RED HAT Red Hat System Administrator I (RH124)	<i>May 2023</i>
AMAZON WEB SERVICES (AWS) AWS Certified Cloud Practitioner	<i>April 2023</i>

ADDITIONAL SKILLS

- Tech Stack:
 - o Programming languages: C++, Python, Java, Rust, HTML, CSS, JavaScript, TypeScript, Dart, Solidity.
 - o Frameworks: React, Angular, Astro, NextJs, Express.js, NestJs, FastAPI, SpringBoot, Flutter, Axum, Ethereum, SOLANA.
 - o Others: AWS, Docker.
- Native in Spanish (C2). Fluent in French (C1) and English (C1). Basic proficiency in Portuguese (A2).
- Problem Solving, Quick Learner, Adaptable, Organized, Dedicated, Curious.