

ANDY LEDESMA GARCÍA

Computer Scientist

@ andy.ledesma.garcia@gmail.com +971 58 247 2016 Dubai, United Arab Emirates
@andy_ledesma_garcia andylg MakeMake23



EXPERIENCE

Full-stack Web3 Developer and CTO

Token Fleet

Dec 2024 – May 2025 Dubai, UAE Full time

- Worked on developing the Token Fleet platform (<https://tokenfleet.io>).
- Worked on building a responsive DApp with KYC support in order to allow users to buy shares on cars.
- Implemented a multi-signature access control for administrators.
- Implemented a QR-based NFT airdrop protocol for early access to some platform features.
- Integrated with MongoDB for data storing/caching.
- Worked on creating interactive dashboards for user portfolios and administration features.

Stack: Solidity, Foundry, Golang, MongoDB, TypeScript, Next.js.

Solidity Developer and Team Leader

Fusyona

Jan 2023 – Dec 2024 Havana, Cuba Full time

- Developed a decentralized exchange based on Uniswap V2.
- Developed a NFT marketplace.
- Developed a launchpad protocol for ERC-20 tokens.
- Headed and closely assisted the rest of developers of the team.

Stack: Solidity, Hardhat, TypeScript.

Android Developer

Hospital Book Project

Aug 2022 – Jan 2023 Havana, Cuba Part time

- Made a first version of an Android application to show an encrypted book on medicine.
- Published the application on the Cuban site Apklis for sale.
- Released a second version that allows integration with the Cuban Transfermovil payment gateway.

Stack: Kotlin, Java.

Full-stack Developer

BeRichCuban

Aug 2019 – Mar 2021 Havana, Cuba Part time

- Implemented a large part of the front-end and back-end of two web applications.
- Worked on the integration with the Payeer Payment API to charge for the services of a website.

MY LIFE PHILOSOPHY

*"Today better than yesterday.
Tomorrow better than today..."*

TECHNICAL SKILLS

Programming Languages

Solidity

Golang

TypeScript

C#

Python

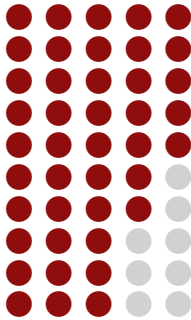
JavaScript

C

x86 assembly

Kotlin

C++



Frameworks, Tools and Technologies

EVM

Foundry

Hardhat

.NET

gRPC

Blazor

EF Core

Next.js

Docker

Git

Github

Azure DevOps

Bootstrap

Others

Programming

High Math

Data Structures

Algorithms

Back-end Development

Blockchain Development

Logic

Database Design

Clean Code

SOFT SKILLS

Team Leading

Collaboration

Quick Learning

Problem Solving

Communication

Hard-working

Eye for Detail

LANGUAGES

Spanish



English



- Connected the Instagram API to a web page that allowed the management of likes and followers.
- Learned to work as a team using technologies like Git, Azure DevOps, Github, and Teams.

Stack: C#, ASP .NET Core, EF Core, Razor, Blazor, JavaScript, Bootstrap, Docker.

EDUCATION

B.Sc. in Computer Science

Havana University

📅 Sep 2018 – Dec 2022 📍 Havana, Cuba

Relevant coursework:

- Hyperledger Fabric for Developers
- Distributed Systems
- Data Structures and Algorithms
- Simulation
- Artificial Intelligence
- Machine Learning
- Databases
- Software Engineering
- Compilers
- Programming Languages

Extracurricular activities:

- Researching on Infinite Variable Neighborhood Search for the Vehicle Routing Problem.
- Teacher's assistant for a whole year.

High School Diploma

IPVCE Vladimir Ilyich Lenin

📅 Sep 2014 – May 2017 📍 Havana, Cuba

- Linked to C++ programming contests since the first year.
- Member of the national preselection for international programming contests since the second year.
- Developed an application in Python to evaluate Chemistry contestants.

PROJECTS

Implementation of a Representative Voting System on Quorum

Havana University

📅 Mar 2022 – Dec 2022

- A smart contract was designed to support a representative voting system.
- Votes are assigned fairly to candidates in a voting cycle.
- Only one winner is obtained by applying the Instant-Runoff Voting method.
- The winner is computed with a time complexity of $O(n \log n)$.
- The contract was deployed on a Quorum network.

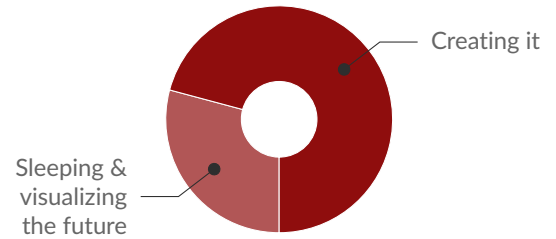
Stack: Solidity, Truffle, JavaScript, Node.js.

e-tournaments

Havana University

📅 Apr 2022 – Jul 2022

A DAY OF MY LIFE



REFEREES

Jorge Alejandro Reyes González

@ Hospital Book Project

✉ jorgealejandroreyes70@gmail.com

Doctor and writer.

"When writing my second book I wanted to sell it digitally converted into an application, for this work I hired Andy Ledesma García. Apart from fulfilling my order on time and efficiently, he was in touch all the time providing new ideas and suggestions to make my app stay as good as possible. It is to admire his ingenuity, his ability and his discipline when it comes to working, because he is not someone who limits himself to what they ask for, he goes much further. I would not hesitate to hire him again if the opportunity arises."

PhD. Yaidir Mustelier Ruiz

@ Havana University

✉ yaidir.mustelier@matcom.uh.cu

Assistant Professor at the Institute of Cryptography.

Leader of the project "Implementation of a Representative Voting System on Quorum".

MSc. Fernando Rodriguez Flores

@ Havana University

✉ fernan@matcom.uh.cu

Head of the Applied Mathematics Discipline of the Computer Science Career.

Leader of the project "Infinite Variable Neighborhood Search by Generating Criteria from Smallest to Largest".

Distributed system that allows the organization of tournaments of any game between two virtual players. The computing and storage capacities of various computers are used.

- The players and the game can be defined by the user through a web interface.
- Consultation and visualization of all the results and statistics of the tournament in a web interface.
- A Distributed Hash Table and leader election algorithms were implemented to ensure fault tolerance to some extent.
- The implementation of remote procedure calls created by Google (gRPC) was used.

Stack: Golang, gRPC, Python, Streamlit, Docker, Docker-Compose, BuntDb.

Cine+

Havana University

📅 Apr 2021 – Jun 2021

Cinema ticket sales system.

- The hours and rooms available are shown.
- Automatic seat assignment.
- Discount support for special days and specific people.
- Sale of tickets and cancellation of purchases.
- Points system that can be exchanged for tickets.
- Consultation of sales statistics.
- Management by the administrators of the information of the films and rooms that are in the system.
- 3D preview of how the movie looks from any seat in a room.

Stack: C#, ASP .NET Core, EF Core, Razor, JavaScript, Bootstrap.

Infinite Variable Neighborhood Search by Generating Criteria from Smallest to Largest

Havana University

📅 Feb 2020 – Nov 2021

- Algorithm for solving the Vehicle Routing Problem.
- It's a variant of the Infinite Variable Neighborhood Search.
- Good results were obtained.

Stack: .NET, C#.