

# MARCOS DIEGO DEDEU

## Software Engineer

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## EXPERIENCE

### Backend Engineer

#### The Network

September 2022 – Present Day

- Engineered 3 REST APIs to integrate various systems and services, utilizing Express and Node.js, along with FastAPI and Python, and Jenkins for CI/CD.
- Developed a highly efficient search engine bot using Python, which automated business needs, reduced manual tasks by 50%, and handled 200k+ queries per week.

### Student Director

#### ITBA Computer Society

January 2022 – January 2023

- Executed a 3-day student hackathon, attracting over 100 participants and generating sponsorship revenue of \$10,000, making it one of the largest hackathons in university history.
- Developed partnerships with industry-leading companies, securing participation from 20 tech companies as sponsors and mentors for the event, providing students with valuable networking opportunities and access to real-world expertise.
- Assembled a diverse range of workshop topics and speakers, including privacy experts, blockchain developers, and automation specialists, creating over 50 hours of recorded open-source material.
- Directed an organization of 40+ ITBA students, including national mathematics and physics champions, leading to increased participation and recognition.
- Achieved a 100% growth in organization members, from 20 to 40, becoming the top organization at ITBA.
- Contributed to the Ethereum Foundation Open Source page by providing resources on how to get started as an Ethereum developer.
- Launched a 100+ attendees hackathon in the university, with more than 7k USD in prizes, totally free.

### Full Stack Developer

#### Servicios Computables

October 2020 – February 2022

- Analyzed and optimized the internal workings of a complex system with over 1000 daily users, leading to improved system performance.
- Optimized, reviewed, and rewrote more than 10 functional modules in a live web app.
- Identified and resolved critical bugs in the system, resulting in a 40% reduction in user complaints and an improvement in overall user experience.

## LANGUAGES

Spanish

English

French

Native

Proficient

Intermediate

## TECHNOLOGIES

PostgreSQL

Typescript

Node.js

Java

Mongo

ETL

AWS

Docker

Jenkins

Python

Git

Javascript

Nest.js

## EDUCATION

### Master in Software Engineering

#### Instituto Tecnológico de Buenos Aires

February 2023 - December 2024

### Bachelor in Computer Science

#### Instituto Tecnológico de Buenos Aires

August 2018 - February 2023

## ACHIEVEMENTS

### HackITBA founder

April 2022

### Worldcoin Devcon Scholarship

October 2022

### Dev&Think Hackathon Winner

December 2022

## NOTABLE PROJECTS

### Cryptocurrency Marketplace - Webapp

#### Technologies: Spring, Java, Hibernate, PostgreSQL

- Jointly deployed with my team a fully-operational cryptocurrency marketplace using Spring, Java, Hibernate, and PostgreSQL. Designed both the backend and frontend from scratch, resulting in a robust and scalable platform.

### Crowdfunding platform

#### Technologies: Node JS, Express, Javascript, Firebase

- Implemented a platform for student organizations to tackle the lack of funding. UX and design from scratch, multiple backend integrations such as payment gateways, firebase store, etc.