

Leopoldo Manfio

Florianópolis, Santa Catarina, Brazil

 manfio.leopoldo@gmail.com

 [linkedin.com/in/leopoldo-manfio-b8726b145](https://www.linkedin.com/in/leopoldo-manfio-b8726b145)

Summary

Seasoned software engineer with a background in Business Information Systems, I thrive on bringing to the table a unique perspective to find a creative solution for complex challenges on every project I work on.

My passion for technology has led me to the exciting and curious world of blockchain, where I am constantly striving to deepen my knowledge and expertise in order to make an impact in someone/something/somewhere in the world.

Whether I'm developing software applications or exploring the latest blockchain trends, I am always eager to face new challenges and cause meaningful impact.

Experience

Blockchain Developer

IOV Labs

Jan 2022 - May 2023 (1 year 5 months)

I worked for the rootstock organization being part of the Gateways team.

My team was accountable for building and maintaining cross-chain bridges on the RSK network, specially the biggest promise, the Flyover Repayment Protocol, a cross-chain interoperability protocol that connects Bitcoin to RSK network that allows untrusted liquidity providers to advance funds for users, reducing transfer times without reducing the security of the process.

For this I was involved ensuring it's security through unit/integration tests and implementing mechanisms to prevent liquidity providers from misbehaving and guaranteeing the consistency of the bridge.

At this role we were required to have a deep understanding of cross-chain protocols, smart contracts, and blockchain security in order to create the Liquidity Bridge Contract (LBC) that define the interactions on the bridge.

ref: <https://eprint.iacr.org/2023/086>

Blockchain Consultant

HouseBit.com

Jul 2021 - Jan 2022 (7 months)

HouseBit is a blockchain company that aims to tokenize properties (ERC-721) to make Real Estate Investments more accessible. The DApp make easier and almost instantly to buy shares of a property as well the right to live there.

We built a proper integration with Metamaks and launched 2 condos tokenized 90% sold.

Contracts written on Solidity and tested with truffle & hardhat. Auditted using Slither.

React frontend integration.

Everything automated and deployed on CircleCI.

Ssr Blockchain Engineer

IOV Labs

Jan 2022 - May 2023 (1 year 5 months)

I joined the rootstock organization on the Apps & Services - Gateways team.

My team was responsible for building and maintaining cross-chain bridges on the RSK network, specially the biggest promise, the Flyover Repayment Protocol, a cross-chain interoperability protocol that connects Bitcoin to RSK network that allows untrusted liquidity providers to advance funds for users, reducing transfer times without reducing the security of the process.

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Senior Full Stack Engineer

White Prompt

May 2021 - Apr 2022 (1 year)

I worked at White Prompt as a consultant helping their clients organize and improve infrastructure and develop new features using NodeJS and Cloud functionalities.

I Worked on the music rights industry using Node (Nest.js), React, PSQl, typescript, Docker, AWS (EC2, ELB, Lambda), unit testing, Datadog and Jenkins. There I was always working close to my developer colleagues in order to improve our stack since it was one of my responsibilities, this involved designing and implementing a monitoring infrastructure that would allow the development team to track system performance, identify issues, and troubleshoot problems. My time there improved the overall performance of the team (since we had a better dev experience) which translated to a better performance of the application overall.

While working on a social network project, I had to constantly work with the product team in order to translate new market trends and feedback to technical requirements, ensuring that way the smooth functioning of the platform by fixing mobile bugs and implementing new features on the server side.



Senior Backend Engineer

Clevertech

Apr 2020 - May 2021 (1 year 2 months)

Working remote for Clevertech Digital Innovation Solutions I was improving Clevertech's internal stack and infra as well as develop new solutions mainly using NodeJS, React, GraphQL and Mongo, all on a cloud premise.

Here I also had the experience of managing and coordinating Junior and Intern developers, putting in practice my leadership skills but also my technical skills since I had to architecture the new features and work with them to implement it, always ensuring it was properly reviewed and tested.

My most proud achieved goal here was to make 80% of the interns becoming Junior developers while they worked there and all Juniors scaled to Advanced Juniors or Ssr Developers.



Senior Developer

Supero - Melhores Times. Melhores Soluções.

Oct 2018 - Apr 2020 (1 year 7 months)

I've joined Supero's team to solve inside problems from it's clients, a cloud platform for a medical company using AWS. I started the "base" development of the micro-service application with 3 services hosted using AWS ECS and Api Gateway, dynamoDB to store info and SNS/SQS as messagery. Then I moved to develop it's first IoT project for a big national company along with it's Chinese manufacturers, I have co-designed the platform structure from the scratch using a entire AWS structure (Gateway, Lambda, CDK, CloudPlatform, DynamoDB, Cloudwatch, Route53 and S3).

Also have helped developing a major micro service project in node/react using typescript for an energy company (ENGIE) to track and record, schedule maintenance stops and provisioning documents for different kind of users and permissions access.

Co-founder - Backend Developer

Principia

Mar 2018 - Dec 2019 (1 year 10 months)

In July/2018, together with some friends that I made on college, we opened our first company with one main purpose: Bring the best accessible way to eager people with a dream : start it's own business.

Gathering the best ability of each Principia's partner we develop a MVP within low time and low cost.

This is where I fit, developing the main part of a application logic using NodeJS, Express and MongoDB.

At the end of the company's life time, we took some software development jobs and I was in charge of building the base structure of the applications.

My favorite structure was a Serverless structure and a Mongo/Node Server (depending on each customer case).



Javascript Developer

Laboratório de Tecnologias de Informação e Comunicação - LabTIC/UEDESC

Oct 2017 - Oct 2018 (1 year 1 month)

Developed applications using a Mongo-Express-Vue/Angular-Node structure developed on the Lab.

After a while, I've learned Docker and improved the development and deployment by using Pre-built images to run the application inside the container.

My main projects here was a Management System used by the Master/Doctorate Program of UDESC (a State Brazilian University), a intern job-tracker for the Lab and Hidro-Geolocation System for a local sanitary company.



Rental & Sales Clerk

EagleRider

Nov 2015 - Jun 2017 (1 year 8 months)

I lived in the USA for 6 months, and there I've had my first experience abroad, I worked for a franchise of this huge rental company. My position was to assist the customers finding the best bike, selling insurances, picking then on the airport up and assisting my manager on administrative tasks.

When I moved back to Brazil I continued on the adminsitrativ role but also got encharged of maintaining their application related to rentals, payments, insurances and bills

Education



Universidade Federal de Santa Catarina

Bachelor's degree, Information Technology

2017 - 2022

Skills

Web3 • Solution Architecture • React Native • SQL • Amazon CloudWatch • GraphQL • Solidity • Blockchain • Ethereum • web3.js