



# Cristobal Schlaubitz Garcia

## Full Stack Software Developer

I spent five years working in the energy industry. The more experience I gained, the more my conviction that software is the best way to add value to energy grew. Once I understood this, I figured I was at the wrong end of the value chain. This realization, plus my passion for creating, paved the way for me to become a developer. In my over two years of experience as a Full Stack Developer, I have worked with many technologies, including JavaScript, TypeScript, React, Sass, Node.js, PostgreSQL, Docker, Nginx, IoT, and many others.

✉ schlaubitzcristobal@gmail.com

📍 Barcelona, Spain

in linkedin.com/in/schlaubitzcristobal

📞 +34 677-019-243

🌐 cxgarcia.com/

🐙 github.com/cxgarcia

## WORK EXPERIENCE

### Full Stack Developer and Product Lead Dev Collectiv

2020 - Present

Barcelona, Spain

*Dev Collectiv is a group of developers working to spread the benefits of open-source software to non-technical users. The flagship project of Dev Collectiv is Plantopi, an automatic irrigation system built with React, NestJS, and IoT devices.*

#### Achievements & Tasks [Plantopi]

- Worked alongside a team of four developers to architect, design, and build the application.
- Devised a solution to have the frontend connect with the microcontrollers on-site through a mix of different protocols, including MQTT, HTTP, and WebSockets.
- Developed a feature for users to schedule periodic irrigations during the desired days and times, which are then handled by a cronjob running at the server level.
- Designed and implemented the application's UI and animations.
- Tech stack: React, Typescript, Sass, GSAP, NestJS, TypeORM, PostgreSQL, Socket.io, MQTT.js, Mosquitto, and NodeMCU Microcontrollers.

### Full Stack Developer (Self-Employed) Synthesis

2020 - Present

Barcelona, Spain

*Synthesis is an open-source Digital Audio Workstation built in React and Koa.js so that music producers can make beats from the comfort of their browser. You can check out the live app here: [cxgarcia.com/synthesis](https://cxgarcia.com/synthesis)*

#### Achievements & Tasks

- Architected, designed, and built both the frontend and backend. The focus on performance resulted in a stress test of over 100 instruments playing in sync without a noticeable audio quality impact.
- Managed the deployment and ensured the app's availability, resulting in a 99.99% uptime since first deployed.
- Designed and implemented the application's UI/UX.
- Tech Stack: React, Tone.js, Sass, Node.js, Koa.js, Nginx, and PM2.

### Vice President Maritima Altair-Petromar

08/2016 - 12/2020

Caracas, Venezuela

*Maritima Altair-Petromar is a one-stop solution for maritime companies in the offshore O&G sector.*

#### Achievements & Tasks

- Worked closely with the operations team to fulfill all client requests and guarantee their utmost satisfaction with the services rendered, resulting in a 100% customer retention rate.
- Guided the managers in charge of Business Development, Operations, HR, Finance, and Legal teams, which collectively amounted to over 120 people from a wide array of backgrounds and experience levels.
- **Project Manager from 08/2016 - 06/2018**

## TECHNICAL SKILLS

JavaScript

TypeScript

React

Redux

Next.js

GSAP

Sass

Three.js

Git

Node.js

Koa.js

Express.js

GraphQL

PostgreSQL

TypeORM

MongoDB

Mongoose

Docker

Nginx

Python

NumPy

Pandas

Cypress

Firebase

IoT

## EDUCATION

### Software Engineering Codeworks

2020

Barcelona, Spain

### BSc. Finance University of Miami

2011 - 2015

Miami, Florida

## LANGUAGES

Spanish

*Native or Bilingual Proficiency*

English

*Native or Bilingual Proficiency*

## INTERESTS

Overlanding

Kitesurf

Snowboard

Yoga

Animals

Reading