



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.

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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 in 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

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

Courses

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LANGUAGES

Spanish

Native or Bilingual Proficiency

English

Native or Bilingual Proficiency

INTERESTS

Overlanding

Kitesurf

Snowboard

Yoga

Animals

Reading