

Fernando Picoral

Fullstack Developer

Computer Science Student

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picoral.me 

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Experience

AR & The Future of Work

Brain, AI, and Child Laboratory

8/2022 - Present

This is one of the projects I'm involved with in Dr. Tom Yeh's laboratory, BAIC. The study's goal is to compare the performance of construction workers when provided with **AR glasses** instead of only blueprints. I am responsible for developing and maintaining the platform used by the researchers to see what the participant can see through the glasses.

Founder & CEO

Stockvio LLC

11/2020 - 02/2022

Stockvio is a platform where users can automatically calculate their taxes over capital gains in BOVESPA using only their trading receipts.

- Founded the company and developed the first version of the parsing and calculation algorithm;
- Handled business logic & day-to-day operations;
- Assisted the coordination of the development team with the CTO;
- Developed the majority of the frontend with NextJS and multiple endpoints using **NestJS & PostgreSQL**;

Software Engineer

Poatek IT Consulting

A WillowTree Company

06/2021 - 06/2022

Poatek is an IT boutique based in Brazil, with high-end clients from all around the globe.

- Lead developer of a new investor dashboard for an asset management firm;
- Developed multiple high-performance endpoints in NodeJS to handle both user transactions and internal tools;
- Created an **AWS Lambda** with Kotlin to parse and evaluate XLSX files with custom wrote XIRR calculations, making complex estimated returns calculations simple;
- Wrote an utterly new signature flow using **DocuSign** APIs, facilitating the signing and document fetching process, making a week's worth of work manual labor automatic;

Foreign Languages

Portuguese

Native

Spanish

Working Proficiency

Projects

AI Stories

Brain, AI, and Child Laboratory

8/2022 - Present

In partnership with institutions in Brazil and Mexico, this project aims to spread **AI** knowledge through developing communities. With Dr. Yeh and his international partners, we use AI-related stories written by high school & undergraduates student from those communities to study their awareness and understanding of AI and its societal impacts. The goal is to help them develop their knowledge about this technology they interact with daily.

OpenCollab

06/2021

Implemented in **React with NextJS** for the frontend and **GO** for the backend, OpenCollab is a hub where open-source project authors can connect with people willing to contribute. A colleague and I developed it in the span of a few weeks, in which I was mainly responsible for the frontend.

Skills

Languages

Typescript, Javascript, Java, C++ & Kotlin

Frameworks & Libraries

Next, React, Angular, AngularJS, Nest, Express, Bootstrap, Elastic UI, Webpack, Jest, JUnit, Redux & Styled Components

Databases

Postgres & Mongo

Other

Docker, HTML, CSS, SCSS, Node, Vercel, Git, Github, Github Actions, Linux/Unix & Figma

Education

Computer Science, BS

University of Colorado - Boulder
College of Engineering

Expected Graduation 2026