



Luis Pires

Full Stack Developer

Contact

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Skills

CSS Proficiency



Javascript Programming



HTML Proficiency



React.js Proficiency



Vue.js Proficiency



React-Native Proficiency



I'm a qualified Full Stack Developer familiar with a wide range of programming utilities and languages. Knowledge of backend and frontend development requirements. I handle any part of the process with ease. I'm a collaborative team player with excellent technical abilities offering 5 years of related experience.

I understand the value of a team and I highly value their strengths as I respect their struggles. I also know how important it is to keep an open channel of communication amongst my colleagues and help in keeping a healthy and inclusive work environment for all.

Work History

2018-01 –
2021-04

Full Stack Developer

Zephyr, Matosinhos, Porto

My projects have involved web and mobile applications. I have been working for different clients, along with my team, with diverse projects, gaining experience with different technologies, mostly related to developing their architecture and building them from the ground up, designing several kinds of interfaces for our applications as well as managing a diverse team of developers and aiding them in their tasks if needed.

Some key tasks involved:

- Conceiving and building optimized landing pages in HTML and CSS for integration and cross-browser compatibility.
- Developing landing pages, dashboards, mobile apps and online applications using Vue.js, React.js and react-native
- Developing REST API applications using Node.js (Javascript) and Flask (Python)
- Developing Databases using Sequelizer, SQLAlchemy and MySQL Workbench
- Collecting, defined and translated user requirements into project designs and implementation plans.
- Consulting with engineering team members to determine system loads and develop improvement plans.
- Managing development milestones from initial steps through final delivery.

MySQL Proficiency



Excellent

Node.js Proficiency



Very Good

Flask Proficiency



Very Good

Python Proficiency



Very Good

Visual Studio Code



Excellent

Pycharm



Excellent

Library design



Very Good

Languages

English



Excellent

Portuguese



Excellent

2021-04
–current

Full Stack Developer

PeekMed, Braga.

I was involved in a medical innovative React web app project to automate orthopedic procedures and provide thorough planning for their surgeries using machine learning solutions. I've developed a good compiler alternative, worked on a VTK based 3D software & user interface as well as organizing a highly specialized and complex code structure focusing on its scalability.

Some key tasks involved:

- Conceiving and building an optimized react web app.
- Developing a custom React Compiler using webpack.
- Creating control tools such as lint, jest & husky to maintain the code normalized & properly tested.
- Providing a well-documented code using typescript & JsDocs
- Developing a 3D engine with vtk.js.
- Developing a good coding structure using Data Driven Design & Solid concepts
- Styling and animating the app using Sass
- Managing back-end communication & error handling
- Managing development milestones from initial steps through final delivery.

Education

2018-10 –
2021-12

Bachelor of Applied Science in Information Technology: Technology and Information Systems For Web

ESMAD - Vila Do Conde

Accomplishments

- Did a project involving web development using Vue.js as its framework. It was also developed a REST API for the backend using Node.js, along with a database structure using MySQL. The goal for this project was to develop a multi-language e-commerce app which can be accessed through a mobile app or in a local store through a terminal. I've personally developed architecture and foundation to make the project scalable, from the back end, all the way to the back-office in the front end. I've also conceptualized the interface for the terminals. The project lasted 5 months and I was it's only developer.
- Did a project mobile app development using react-native as the framework and bootstrap library. A backend was developed through REST in python through flask framework. A web app version was also developed using react.js. The goal of this project was to build a stock trading app using a secure transaction and subscription system. The project was also prepared to deal with cryptocurrency. I was responsible for the mobile-app and web app development and their connection to the back end.
- I was part of a team that developed an innovative orthopedic automation solution that would grab xRays & TACs to represent them in a 3D environment for better visualization & planning. This project was developed in the React framework with a vtk.js based 3D software solution. I was responsible for both the vtk.js development as well as the react code structure, focusing more on its functionality, with some attention to the user interface as well. Due to the sheer size of this project, I was also one of the responsible devs in implementing good coding techniques such as SOLID and Data Drive Design principles to maintain a clean & scalable code, as well as using JsDocs and Typescript to keep it all well documented.

Interests

Astrophysics

Foreign Languages

Foreign Culture

Web Applications



Mobile Applications

Machine Learning