Ramon Rodrigues
Software Engineer

Projects: ramonrodrigues.dev/projects
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Skills

JavaScript, TypeScript, React, NextJS, VueJS, Nuxt, Shopify, Bootstrap, TailwindCSS, MaterialUI, HTML, CSS, NodeJS, Express, Python, Flask, Django, PHP, PostgreSQL, MySQL, MongoDB, GraphQL, Jest, Pytest, Firebase, Docker, AWS

Open Source

CS50x em Português - Software Engineer & Computer Science Instructor 2021-2023

Stack: C, Python, JavaScript, SQL, HTML, CSS, Flask, Django, React, scikit-learn, TensorFlow, NLTK, ChatGPT

- This is Harvard University's computer science course in Portuguese, which I am the creator. We teach 3 courses.
- Built a website builder that translates and builds the course website in different languages using Flask & ChatGPT.
- Wrote testing scripts for students' assignment submissions using Python.

YouTube: youtube.com/@cs50xemportugues   Github: github.com/ramonfrombr/cs50x-website-builder

Experience

ENEM Coach - Software Engineer 2020-2023

Stack: Django, Django Rest Framework, Python, NextJS, React, Redux, JavaScript, TypeScript, PostgreSQL, NLTK, PyTorch

- Built a college entrance exam preparation platform.
- Built the API and admin dashboard with Django, Django Rest Framework, Python, PostgreSQL, Bootstrap, HTML, CSS.
- Built the client application with React, NextJS, Redux, TypeScript, TailwindCSS, HTML, CSS, and more. The client application includes an exam preparation app, a study plan app, a blog, and an e-learning app (CMS).
- Built an automated essay grading application using machine learning, deep learning, and natural language processing, with tools like PyTorch, NLTK, and Ray Distributed Computing.
- Built CI/CD pipelines with Docker, Kubernetes, Jenkins, and Azure.

Aprenda Agora - Software Engineer 2017-2020

Stack: Flask, NextJS, React, Redux, React Native, Python, JavaScript, TypeScript, PostgreSQL, NLTK, PyTorch, unittest

- Built a language learning platform.
- Built the API and admin dashboard using Flask, Python, SQLAlchemy, PostgreSQL, Bootstrap, HTML, CSS, and more.
- Built the client application with NextJS, React, Redux, React Native, Expo, TypeScript, TailwindCSS, and more.
- Built an AI powered chat application for language practice with machine learning, using tools like NLTK and PyTorch.
- Built a course content generator with Python and ChatGPT.
- Built CI/CD pipelines with Docker, Kubernetes, Jenkins, and AWS.

Health Scholars - Freelance Frontend Engineer 2022

Stack: VueJS, Pinia, NodeJS, Express, GraphQL, Apollo, Hasura, Cypress, Docker

- Built a VueJS component library for internal use within the company.
- User management interfaces built with VueJS and integrated with NodeJS and Express.
- Data fetching integration with GraphQL, Apollo and Hasura.

Mamafoods - Freelance Shopify Full Stack Engineer 2022

Stack: React, Shopify, TypeScript, Python, Airtable, Zapier

- Shopify frontend development. Dashboard interfaces built with NextJS, React, TypeScript, NodeJS and Airtable.
- SMS automation with Zapier and Python.
- Task automation with Python.

Grupo Super - Freelance Full Stack Engineer 2021 - 2022

Stack: PHP, Java, Kotlin, Springboot, MySQL, JavaScript, Python, C#, Selenium, Bootstrap, jQuery

- Rewrite a monolithic web app in PHP to Kotlin Springboot.
- Maintain existing features with PHP, JavaScript, jQuery, HTML, CSS, and Bootstrap.
- Build and maintain WhatsApp automatic messaging system using Selenium and C#.
- Automating tasks with Python: web crawlers, spreadsheet generators, and more.

Education

Artificial Intelligence with Python - Harvard University's CS50
Information Systems Undergraduate Degree - IFES Campus Serra