William Hideki Kondo

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Brazil, São Paulo

Experience

Ocatec   *December 2018 – March 2021*
                                                               Full Stack Developer

Worked in a 3-4 developers team to redesign an old version of a mobile app for selling and buying cattle in Brazil. Participated in some technical decisions during the development process:
- How to manage app data ?
- How should the api routes be organized ?

Stack: **NodeJS, Flutter, Docker**, PostgreSQL, gRPC.

- Migrated server hosted at AWS EC2 to an VPS in DigitalOcean. Used Dokku to configure the environment, generate SSL certificates and make server accept HTTP2 requests
- Configured a Docker-Compose file in order to build the development environment
- Used the Bloc pattern to manage the data flow in the mobile app. Opted for this pattern instead of Redux because it was easier to setup unit tests
- Modeled app data and designed database tables and relations. Used Sequelize as ORM, writing SQL queries only when needed (usually in complex joins, in which some data needed to be aggregated)
- Implemented a real time chat between buyer and seller. Firebase Messaging was used to handle push notifications

Side Projects

ToDo Tree / [**https://www.todotree.page**](https://www.todotree.page)
A website for managing tasks in a tree UI. You can break tasks into smaller subtasks and see how your tasks depend on each other.
Developed this project in order to help me organize daily tasks and plan my side projects or other activities. Cared for user experience, making it simple to create dependencies using the tree interface.

Stack: **React, NodeJS, Typescript**, Neo4J

- The tree interface was developed with React Flow, a library for drawing graph interfaces

- Developed authentication process without third party libraries: user registers an email and receives a 6-digit code in order to confirm the registration process. The login process is analogous.
- Implemented sessions, that are stored in an Redis instance. Sessions are renewed with a refresh token
- Modeled data using a graph model. Therefore, Neo4J, a graph database, was opted for storing the app data. Wrote Cypher queries
- Implemented anonymous login. Hence, it is possible to test the application without creating an account. Used concepts like dependency injection to avoid rewriting all the logic for anonymous login

Recipes Share / https://recipes-share.web.app

A website for sharing recipes. You can bookmark other recipes.
Developed this project in order to test some Firebase functionalities, like Cloud Firestore, a NoSQL database. Focused on making a good looking UI and showing recipe data in a user friendly way.

Stack: Firebase, React, Cloud Functions

- UI developed with React and Material UI
- Used Firebase Functions to validate user data in a secure environment
- Modeled app data using NoSQL database

Education

Universidade de São Paulo
Computer Science Bachelor

March 2018 - December 2022

Important classes: Operating Systems, Algorithm Analysis and Data Structures

Competitive Programming

ICPC
- 7th place in Sub Regional Phase of Brazilian ICPC 2020
- 5th place in Regional Phase of Brazilian ICPC 2020

Google Jam
- Best place: 443th place in Google Jam 2018 Round 2 (T-shirt prize)