Renan S. Parise

https://renan-parise.github.io/portfolio-rsp/

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EDUCATION

Instituto Federal Catarinense   Jan. 2022 – Dec. 2025
Computer Science Bachelor's Degree   *Videira, SC*

EXPERIENCE

LicitaJá — BidHits   Jan. 2022 – Present
Junior Back-End Developer   *Videira, SC*

- **API Query Optimization**: Identification and correction of an extremely high performance bottleneck in an API query that is used by the company, resulting in a reduction from an average of 43 seconds in the worst case to just 5 seconds.
- **Implementation of artificial intelligence in data generation**: Introduction of an AI that generates a list of similar words from other words, allowing the creation of a new feature in the company's system that provides more accurate suggestions to users.
- **Process Automation**: Automation of search for information about the company's niche on other sites, creating web scraping algorithms using PHP and Python, with the cURL and Selenium libraries.
- **Implementation of tests**: Creation of automated and unit test mocks in PHP using PHPUnit to ensure the stability and quality of the code, reducing the number of bugs and improving system reliability.

MAIN PERSONAL PROJECTS

Cucinia (SaaS)   Nov. 2023 – Present
Tailwind, Go, Gin, MySQL, Git

- **Recommendation Algorithm for Dietary Restrictions**: Development of a recipe recommendation algorithm based on the user's health profile and food interest, allowing vegans, vegetarians, and intolerants to easily use the application.
- **Implementation of Web Pages for the Application**: Development of the home page, login and registration pages, and intuitive and friendly dashboards to ensure a pleasant user experience using Tailwind and others.
- **Planning Features**: Inclusion of meal planning and shopping list features to facilitate organization in the kitchen.

Fraud Detection System in Financial Transactions   Feb. 2024 – Present
Python, Scikit-learn, TensorFlow, PyTorch, Pandas, Matplotlib

- **Transaction Pattern Analysis**: Development of the algorithm that analyzes a database with millions of transactions and observes certain behaviors to define frauds or not, such as account, transaction value, etc. mainly uses logistic regression, Random Forest method, and K-Nearest Neighbors to search for possible frauds.

EXTRACURRICULAR ACTIVITIES

- **Second place in the IF 2023 Programming Marathon**: Achieved second place in the annual programming competition, where it was possible to apply and demonstrate skills in logic and algorithms.
- **Programming Logic Tutoring**: Provided support to students by offering programming logic tutoring, helping students improve their skills in algorithms and problem-solving.
- **LeetCode**: Maintained the habit of solving problems on LeetCode, using Golang or PHP for the questions; Some of the main exercise solutions involve dynamic programming, trie, backtracking, hash table, etc.

SKILLS

- **Languages and frameworks**: Golang, Gin, PHP, Laravel, Python, Flask, C, MySQL, SQLite, MongoDB

- **Technologies and others**: Git, AWS, Kafka, Tailwind, Pandas, Test-Driven Development (TDD), Object-Oriented Programming (OOP), Agile