

Aryel Soares

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Summary

I am an applied mathematician specializing in backend development, with a focus on data science, process automation, and artificial intelligence. I am passionate about solving real-world problems faced by companies through innovative and efficient solutions. Seeking an opportunity to contribute to a dynamic team and further develop my skills as a professional problem solver in the tech industry.




Technical Skills

- **Backend:** Python, C++, Tensorflow
- **Frontend:** HTML, CSS, Javascript
- **Devops:** Git, Docker
- **Database:** MySQL, PostgreSQL, InfluxDB
- **Tools:** Grafana

Featured Projects

- **Hardware Benchmark** ( [Github](#))
 - Extracts hardware usage, temperature and power data in real time with C++.
 - data is inserted into InfluxDB per second and monitored in Grafana's dashboard.
 - Simplify temporary data analysis through container orchestration with Docker.
- **Bitcoin Prediction** ( [Github](#))
 - Forecast the daily price of bitcoin (BTC/USD) for the next month based on the last 4 years.
 - Loading, cleaning and processing data for time series analysis with Python and Tensorflow.
 - Development of LSTM and GRU neural networks models for data prediction.
 - Technical analysis of results based on bootstrap by resampling.

Education

- **B.S., Applied Mathematics**
 -  Federal University of Rio Grande
 -  Mar 2020 - Mar 2024
 -  Rio Grande, Brazil

Languages

- **Portuguese** (Native)
- **English** (Intermediate)