

# Aryel Soares

 [Portfolio](#) | **in** [Linkedin](#) |  [Github](#)

## Summary

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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

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




## Featured Projects

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- **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

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

## Languages

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