

Aryel Soares

Backend Developer | Freelancer

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Summary

I'm an applied mathematician specialized in backend development, with strong focus on data science, process automation and artificial intelligence. I thrive on solving real-world problems by adapting quickly to feedback and delivering scalable, efficient solutions.

Technical Skills

- **Backend:** C++, Python, Tensorflow, NodeJS
- **Frontend:** JavaScript, TypeScript, React, Tailwind
- **DevOps:** Bash, Git, Docker
- **Storage:** MySQL, Postgres, InfluxDB
- **Tools:** Grafana

Featured Projects

- **Stringler** (🐙 [GitHub](#))

Faced with the need to automate and analyze multiple textual documents efficiently, I built a modular NLP pipeline with a C++ analytics core and Python scripts for sentiment analysis, visualization, and reporting. The tool generates statistical and sentiment insights in a customizable template with text and graphics using Matplotlib and Pillow.

- **Hardware Benchmark** (🐙 [GitHub](#))

To address the lack of real-time PC component monitoring, I designed a system to collect and display performance data (CPU, GPU, RAM) in real time. Built using C++, InfluxDB, and Grafana in Docker Compose, it delivers dashboards with usage, temperature, and energy metrics from multiple IoT sensor inputs, facilitating access to inferential analysis.

Education

- **B.S., Applied Mathematics**



Federal University of Rio Grande



2020 - 2024



Rio Grande, Brazil

Languages

- **Portuguese** (Native)
- **English** (Intermediate: read, write and listen)