Gustavo Gardusi

gustavo.gardusi@gmail.com   github.com/gardusig

Work Experience

Orkes   Cupertino, California, United States (remote from Brazil)
Senior Software Engineer   *January 2022 - July 2023*

- Led the initiative for polyglot clients by creating an open-source collection of projects enabling users to scale up multiple Netflix Conductor workflow task workers concurrently. Designed a synchronous workflow execution and resolved message queue acknowledgment issues on batch requests.

- Optimized resource allocation by making batch requests at clients while managing active threads, reducing workflow processing time by nearly 20%. Quickly identified and fixed compatibility issues to ensure project continuity, earning the trust of the largest company customer.

- Established a foundation for all end-to-end tests and increased the test coverage to nearly 100% of relevant code. Pioneered the creation of Python and Go SDKs and contributed 40,000 lines of code to the Java SDK. Co-creator of C# and JS SDKs. Previously, only Java was fully supported.

Amazon   São Paulo, São Paulo, Brazil
Software Development Engineer II   *April 2021 - January 2022*

- Improved the resilience score of two critical Java services responsible for invoice generation by adding a new CI/CD approval step, which fails if minimum transaction rates or maximum latency requirements are not met.

- Expanded the Fulfillment By Amazon program in Brazil by managing diverse invoice expiration and cancellation rules, enabling sellers from multiple states.

- Leveraged historical metrics data to calculate an average distribution of requests and identify the expected load a single host could handle, ensuring adequate scaling and avoiding overloads or unnecessary costs during Black Friday 2021.

Beyond   São Paulo, São Paulo, Brazil
Software Engineer   *August 2019 - April 2021*

- Spearheaded the development of a high-frequency trading web application certified by B3, using C++ and WebSocket for communication, implementing an efficient order management system using the Financial Information eXchange protocol.

- Created numerous APIs in Java using Spring Boot to handle stock market data, complemented by Python scripts for data parsing and filtering, resulting in a trading strategy simulator with 90% accuracy.

Algar Telecom   Uberlândia, Minas Gerais, Brazil
Software Engineer   *September 2017 - August 2019*

- Developed distributed applications in Python to collect data from 300 routers and configure them in real-time, storing data in databases linked to Metabase for generating dashboards and reports.

Awards (Competitive Programming)

- **Meta HackerCup:** Earned 3 consecutive T-shirts, awarded to the top 2,000 participants. Best rank: 1,250th (Top 5% globally).

- **Codeforces/CodeChef:** Achieved First Division status on both platforms, placing in the top 10% among thousands of users.

- **ICPC Latin America Finals:** Competed in 4 regional finals, consistently ranking within the top 20 teams. Best rank: 16th out of 1,000 teams.

Academic Background

Federal University of Uberlandia (UFU)   Uberlândia, Minas Gerais, Brazil
Computer Science   *January 2014 - December 2018*

- Completed over 60% of the Computer Science full course curriculum, emphasizing competitive programming.