Gustavo Gardusi

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SUMMARY

Software engineer with over 5 years of experience in developing and delivering high-quality software. Proven ability to learn new technologies quickly and work independently and as part of a team. Strong problem-solving and analytical skills. Experience with a variety of programming languages and technologies, including Netflix Conductor, C++, Java, Python, and Go. Passionate about building innovative solutions that make a difference.

WORK EXPERIENCE

Orkes   Cupertino, California, USA
Software Engineer (remote contractor from Brazil)   January 2022 - July 2023

- Led the initiative for polyglot clients by creating an open-source collection of projects that enables users to scale up multiple Netflix Conductor workflow task workers concurrently.
- Optimized concurrent resource allocation by making batch requests at clients while managing available threads, bringing ~20% reduction in processing time.
- Identified and fixed compatibility issues overnight. Also created documentation and helped new clients to easily onboard.
- Created a foundation for all end-to-end tests and increased test coverage to virtually 100% of relevant code through robust CI/CD practices at GitHub.
- Contributed 40,000 lines of code to Java SDK. Creator of Python and Go SDKs. Co-creator of C#, JS, and Clojure SDKs.
- Fixed message queue ack issues on batch requests at the server and helped to design synchronous workflow execution.
- Consistently received positive feedback from peers, such as: "Gustavo is a top-notch software engineer who is well versed with software engineering best practices."

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

- Expanded the Fulfillment By Amazon program in Brazil by enabling sellers from multiple states.
- Overcame the challenge of managing diverse invoice expiration and cancellation time period rules.
- Made significant contributions to improve the resilience of two critical Java microservices responsible for invoice generation.
- Implemented a new CI/CD approval step to improve the quality of deployments. Failing in case of not meeting the minimum expected transactions per second or maximum allowed latency.
- Leveraged historical metrics data to calculate an average distribution of requests and identify the expected load a single host could handle before failing to respond.
- Collaborated with a neighboring team to obtain valuable insights and translate their data into the specific load requirements for each service.
- Ensured adequate scaling and avoided unexpected overloads or unnecessary costs during the high-pressure period of Black Friday 2021.

Beyond   São Paulo, São Paulo, Brazil
Software Engineer (contractor)   August 2019 - April 2021

- Spearheaded the development of a high-frequency trading web application certified by B3, the Brazilian stock exchange.
- Developed the trading bot in C++ using WebSocket as the communication channel.
- Implemented the order management system using the Financial Information eXchange protocol.
- Optimized the trading bot to make operations in small chunks up to a predefined limit.
- Developed dozens of APIs at services written in Java using SpringBoot to handle the stock market data.
- Created a trading strategy simulator that could predict how a trading strategy would perform on any given day.
- Identified the best-performing trading strategies and the ones with the most risk.
- Made recommendations to customers based on the results of the trading strategy simulator.

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

- Pioneered the development of distributed applications in Python to collect information from 300 routers and configure them in real time, despite not knowing what SSH is at the start.

- Stored data in databases linked to Metabase, enabling reports with resource usage through beautiful dashboards while also showcasing potential bottleneck issues.
- Successfully transitioned the internet backbone team from manual to automated configuration, saving the company significant time and money.

Haja Gloria   Uberlândia, Minas Gerais, Brazil

Company Owner   November 2022 - September 2023

- Managed and operated a profitable nightclub with a weekly attendance of over 100 customers.
- Successfully removed two financially uninvolved partners.
- Grew an Instagram account from 2000 to 5000 followers in less than 6 months.
- Resolved a legal dispute by negotiating a settlement with an employee.
- Negotiated the sale of the company for 1 year of net income.