Gustavo Gardusi

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Work Experience

Amazon Web Services   Vancouver, BC, Canada
Software Development Engineer II   *05/2025 - 09/2025*

- Expanded Amazon Connect to support Tokyo and Osaka regions, providing automated traffic redirection during outages.
- Updated workflows to replicate resources to a new paired region, triggered by event-driven stack changes, with automatic propagation of DNS records. Used CDK, CloudFormation, Route 53, EventBridge, Step Functions, Aurora PostgreSQL.

Amazon Web Services   Sao Paulo, SP, Brazil
Software Development Engineer II   *11/2024 - 05/2025*

- Launched the AWS Skill Builder public profile page, displaying user progress data from game-based learning modules, with a responsive UI built in Tailwind CSS and TypeScript. Used Cognito, CloudFront, API Gateway, Lambda, SQS, DynamoDB.
- Allowed users to share achievements on LinkedIn with a badge image preview through server-generated meta tags.
- Enhanced the internal game asset release tool with asynchronous queue consumption and front-end polling for progress.

Orkes   Cupertino, CA, USA
Software Engineer (remote contractor)   *01/2022 - 06/2023*

- Created cross-language SDKs (Python, Go, Java, C#, JavaScript) for the Conductor workflow orchestration platform. Standardized interfaces and documentation with examples, delivered core features with automated integration tests.
- Improved workflow throughput by 20%, with a long-running thread pool per worker, to periodically poll for workflow tasks in batches, then start a thread per task, making parallel upload requests (HTTP, gRPC) of task results back to the server.
- Contributed to **Netflix OSS** by adding missing message acknowledgment requests after batch requests on the server.

Amazon   Sao Paulo, SP, Brazil
Software Development Engineer II   *04/2021 - 01/2022*

- Extended Java microservices and the React UI to show state-specific invoice expiration dates for FBA sellers in Brazil.
- Resized the EC2 fleet for FBA invoice services ahead of Black Friday by modeling the expected peak usage and the maximum requests each host could sustain on average, measured through load tests reflecting historical traffic distribution.
- Developed alarms with disk usage metrics and a runbook, with a cleanup script, reducing on-call tickets by 10%.

Beyond   Sao Paulo, SP, Brazil
Software Engineer (contractor)   *09/2019 - 04/2021*

- Maintained a HFT application running during trading day to send hundreds of orders per second. Used C++, WebSocket.
- Built a matching engine to reproduce stock exchange behavior with FIX and to validate strategies through backtests.
- Implemented Java APIs and Python ETL to receive 1 GB of daily stock market data. Used API Gateway, Lambda, and S3.

Algar (Telecom)   Uberlandia, MG, Brazil
Software Engineer   *10/2017 - 09/2019*

- Built Python scripts to periodically query hundreds of routers' metadata and keep the SQL database up to date.
- Introduced parallel execution of router management commands, improving operational efficiency by 80%.

Education

Federal University of Uberlandia   Uberlandia, MG, Brazil
Bachelor of Science in Computer Science   *01/2014 - 01/2022*

- Focused on algorithms and data structures; strong problem-solving foundations; completed 50% of courses.

Awards

- **ICPC:** 4× Latin America Regional Finalist; highest rank: 16th/1,000+ teams.
- **CodeChef** | **Codeforces** | **LeetCode:** Ranked in the top 10% worldwide among 100,000+ users.
- **Meta Hacker Cup:** 3× placed in the top 2,000 worldwide (**2023**, **2022**, **2021**); best: 467/30,000+.