

Mateus Pereira da Silva

Full Stack Software Engineer

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Location: Brazil (open to remote work or relocation)

About Me

Full Stack Software Engineer with 4+ years of experience building scalable, low-latency web applications and APIs. Known for reducing system bottlenecks by 60% and delivering reliable tools that empower strategic decision-making. Strong grasp of distributed systems, data modeling, and cross-functional collaboration.

Professional Experience

Frontend Developer (Freelance)

Self-employed | Remote — Feb 2021 – Aug 2022

- Developed responsive websites and landing pages using **HTML, CSS, JavaScript**
- Collaborated with small clients to deliver static pages, simple components and UX adjustments
- Gained hands-on experience with frontend fundamentals and client delivery

Software Engineer

VE3 – B2B Supply Chain & Data Intelligence Platform | Brazil — Aug 2022 – Present

- Designed and implemented a full-stack microservice for Sell-Out MPS (Master Production Schedule), a core tool in strategic planning:
 - **Go REST API** for orchestration
 - **Python (EC2)** for high-volume numerical processing
 - **React** frontend with interactive data grid and charts
- Refactored and extended the **Sales Forecasting Engine (Python + Spark)**:
 - Reduced technical debt and added support for new input type (Sell-Out data)

- System runs daily forecasts with ML-based model selection across 25+ mathematical models, handling hundreds of thousands of records
 - Boosted performance of core dashboard (Collaboration data grid):
 - Cut average response time by 60% and reduced SQL query load by 50x using execution plan tuning and ERD optimization
 - Built internal **monitoring system** using **Prometheus, Grafana, Bash**, accelerating incident detection and reducing downtime
 - Developed S&OP dashboards combining **real-time and historical data**, aiding cross-functional analysis and decision-making
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Tech Stack

- **Languages:** Python, Go, JavaScript, TypeScript, Node.js, PHP
 - **Frontend:** React, Next.js, HTML5, CSS3
 - **Backend:** REST APIs, Microservices, Async Processing
 - **Data:** PostgreSQL, MySQL, Polars, Spark, Pandas
 - **DevOps:** Docker, AWS (EC2, S3), Linux, Prometheus, Grafana, Bash, NGINX
 - **Tools:** Git, Postman, Swagger, Webpack, Composer
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Education

B.Sc. in Computer Science (*Expected 2026*)

Estácio de Sá University – Brazil (*Remote*)

Languages

Portuguese (native), English (fluent), Spanish (beginner)