

LUCAS DA SILVA MATTOS

Senior Software Engineer

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ABOUT ME

Senior Software Engineer with over 12 years of experience in systems development, with a strong focus on distributed architecture, microservices, and mission-critical applications. Specialist in high performance, scalability, and resilience, with expertise in Java, GoLang, Cloud (AWS/GCP), Messaging, Relational/NoSQL Databases, and Clean Architecture.

- ♦ Technical leadership and scalable architecture, ensuring 1.5M+ requests/minute with latency below 100ms and 99.99% availability.
- ♦ Performance optimization, reducing cloud infrastructure costs with database tuning, strategic caching, and intelligent autoscaling.
- ♦ Implementation of advanced observability (structured logs, metrics, and distributed tracing), reducing incident response time by 50%.
- ♦ Accelerated the development cycle by 40% with the adoption of Clean Code, SOLID, Design Patterns, and process automation.
- ♦ Technical mentoring and best practices promotion, increasing the quality and maturity of the engineering team.

Ready to apply my expertise in challenging environments, contributing performance, innovation, and technical leadership to accelerate business results.

EXPERIENCES

Senior Software Engineer

Mercado Livre Brasil • 04/2022 - Current

Leadership in the architecture and development of highly scalable systems, ensuring processing of 1.5M+ requests/minute with high resilience and performance.

- ♦ Development of high-performance applications, meeting stringent low-latency and high-throughput requirements.
- ♦ Storage modeling and optimization to ensure efficiency, high availability, and fast data recovery.
- ♦ Implementation of Clean Architecture, improving maintainability, decoupling, and test effectiveness, accelerating the development of new features.
- ♦ Enhanced the resilience of external services, drastically reducing support calls and ensuring robustness in the face of failures.
- ♦ Proactive monitoring with metrics and intelligent alerts, enabling the detection and correction of anomalies before impacting customers.
- ♦ Optimization of the agile methodology, accelerating deliveries and increasing team efficiency.

Senior Software Engineer

Conta Azul • 06/2021 - 04/2022 (11 months)

Leadership in system modernization and scalability, boosting performance and development efficiency.

- ♦ Strategic migration from monolithic architecture to microservices, increasing development agility, reliability, and system scalability.
- ♦ Creation of new components for the Design System, adopted by the entire frontend team, standardizing interfaces and accelerating development.
- ♦ Planning the transition from legacy Angular to micro-frontends in Vue.js, making the infrastructure more modular, flexible, and scalable.
- ♦ Implementation of alerts and advanced monitoring, ensuring stability and compliance with business rules, resulting in a reduction of over 80% in calls.

SKILLS

Languages

Java, Kotlin, GoLang e Javascript;

Frameworks

Spring Boot, Vue.js, React e Flutter;

Database

PostgreSQL, MySQL e Redis;

Observability

Kibana, New Relic, Grafana e

Datadog;

Cloud

Docker, AWS, GCP e AZURE;

LANGUAGES

Portuguese: Native

English: Level B1 - Intermediate

Spanish: Level B1 - Intermediate

CERTIFICATIONS

Introdução às habilidades de carreira em desenvolvimento de software

LinkedIn • Issued on 08/2023

Caminho de aprendizagem de habilidades sociais profissionais

LinkedIn • Issued on 08/2023

Formação Certificação Java

Alura • Issued on 04/2021

Formação Flutter

Alura • Issued on 04/2021

Formação SQL com PostgreSQL

Alura • Issued on 04/2021

EDUCATION

Sistemas da Informação

Faculdade Estácio • Bachelor

02/2017 - 12/2020

- ♦ Active mentoring in SOLID and Clean Code, fostering an environment of continuous learning and improvement in code quality.
- ♦ Leadership in the adoption of GoLang, optimizing performance and efficiency, and strengthening the company's technological foundation.

Senior Full Stack Developer

CELK Sistemas • 02/2020 - 06/2021 (1 year and 5 months)

Development and delivery of high-performance mobile and backend solutions.

- ♦ Creation and publishing of mobile applications for iOS and Android in Flutter, ensuring a fluid and responsive experience.
- ♦ Monitoring and optimizing the performance of REST APIs, improving response time and backend efficiency.
- ♦ Implementing real-time updates with WebSocket, providing dynamic interaction and instant communication.
- ♦ Development of advanced georeferencing and mapping features, improving accuracy and usability.

Full Stack Developer

CELK Sistemas • 09/2019 - 02/2020 (6 months)

Development of scalable solutions for fleet management systems in the healthcare sector.

- ♦ Contributed to the development of a fleet management system, optimizing operational control and logistical efficiency.
- ♦ Development of REST APIs in Java, ensuring robust integrations and high performance.
- ♦ Created interfaces and API consumption with AngularJS, providing a fluid and responsive user experience.
- ♦ Data modeling and optimization in PostgreSQL, ensuring efficient storage and high-performance queries.

Owner and Developer

Trindade Suplementos • 03/2017 - 10/2020 (3 years and 7 months)

Management and development of e-commerce solutions, integrating technology and operations.

- ♦ Maintenance and optimization of e-commerce with OpenCart, ensuring performance, stability, and usability.
- ♦ Development of PHP modules, expanding functionality and customizing the platform.
- ♦ Administration and optimization of the MySQL database, ensuring transaction efficiency and security.
- ♦ Implementation and maintenance of the production environment, ensuring infrastructure availability and reliability.
- ♦ Digital Marketing strategies, optimizing visibility and sales conversion.

Owner and Developer

Wink Gamer • 08/2013 - 11/2019 (6 years and 3 months)

Infrastructure administration, security, and development for an online gaming platform.

- ♦ Minecraft server management, ensuring stability, performance, and scalability.
- ♦ Custom plugin development in Java, expanding functionality and player experience.
- ♦ Creation and maintenance of a shopping portal in PHP, optimizing monetization and user experience.
- ♦ MySQL database administration and optimization, ensuring efficient storage and fast queries.
- ♦ Production environment deployment and maintenance, ensuring high availability and performance.
- ♦ DNS and proxy management with DoS/DDoS attack mitigation, protecting infrastructure and user experience.