

# LUIZ SENA

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## SUMMARY

The most important thing I learned in undergrad - and improved during my career - was understanding and solving problems. I like software engineering because it is a great place to exercise (and have fun) with many layers of problem-solving, the client needs, product vision, technologies, code, and teamwork, all of that has their problems to be solved and taken into consideration when solving the individuals' problems so that we can deliver value to the product, delight to the client and money to the company.

**5 years of experience** solving problems professionally, working mainly with .Net to develop desktop apps, web apps, and APIs.

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## TECHNICAL SKILLS

**Languages:** C#, JavaScript, Delphi, HTML, CSS

**Tools:** Git, HG, GitLab, Jenkins, Docker, ActiveMQ, RabbitMQ, Kafka

**DataBases:** Oracle, MongoDB, Postgres, SQLite

**Frameworks & Others:** WPF, ASP.Net, Entity Framework, Angular, Astro

**Concepts:** REST, TDD, DDD, System Design

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## EXPERIENCE

**LUZ Soluções Financeiras, Brazil: Research & Dev Senior Software Engineer**

May 2018 – Jul 2023

- Led a team to successfully revamp a 2M-line legacy codebase, driving code coverage to 90%. Organized team activities, crafted comprehensive tests, and established a coverage CI pipeline, resulting in an 80% reduction in regression bugs;
- Attended meetings with clients and sales team, translating needs and domains particulars to produce requirements documents for new features;
- Implemented test selection techniques on the CI pipeline's test stages reducing the time by 75%;
- Participated in software architecture committee to assist software engineers in navigating new projects. Engaged in collaborative meetings to discuss project requirements, providing guidance and innovative ideas to address challenges. Offered guidance on software development best practices, and recommended appropriate tools and designs, resulting in enhanced software deliverables;
- With a performance profile tool found hot paths and rewrote the code in a way that reduced 74% of CPU time and 80% of memory allocation. Created performance test using .Net Benchmark to avoid performance regression;
- Took ownership of critical software issues in production, with the client requiring a resolution within the SLA timeframe. Investigated and diagnosed the root cause of the problem, utilizing remote debug and profiling tools to identify code failures, reproduce the issue, and effectively resolve the bugs.

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## EDUCATION

**B.S , Computational Physics**

Graduated Dez 2018

University of São Paulo, Brazil

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## INTERESTS

Go (Board Game), Travel, Music, Coding, Counter-Strike