

IAGO FERREIRA

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WORK EXPERIENCE

John Deere

Software Engineer

Campinas, SP/Hybrid

May 2021 – Present

- Develop features for a customer React web application with tens of thousands of global users.
- Drive evaluation and adoption of new JavaScript technologies and tools in the codebase.
- Shipped multiple features from start to finish with high unit test coverage (Vitest, Jest), end-to-end tests (Cypress, Playwright, React Testing Library), and feedback loops with UX and QA during all steps of development.
- Optimized a React table with efficient state management and memoization, cutting load time by 50%.
- Upgraded an app from React 16 to 18, rewrote lifecycle methods, removed 28 npm packages, and cut bundle size.
- Benchmarked a third-party table component and reported bottlenecks to PMs and engineers, influencing the roadmap.
- Built an Excel report generator in Python with automated delivery through AWS.
- Migrated an older Jenkins pipeline to GitHub Actions for faster, more reliable CI.
- Applied security patches to a Java/Spring Boot codebase on long-term support.
- Built Docker images with pre-populated Postgres and Oracle databases for local legacy app testing, saving setup time.
- Mentored junior engineers and interns.
- Placed 4th in the 2022 hackathon on an international team, with a Python ML/NLP voice-command assistant prototype.

Samsung R&D

Mobile QA Tester Intern

Campinas, SP/Remote

July 2019 – Sept. 2020

- Developed an automated tool that saved 40+ hours of the team's work each month.
- Assisted in the launch of new flagship models in Brazil.
- Executed testing routines on smartphones to verify software quality and user experience.
- Identified and fixed inconsistencies found during testing runs.

Rheinmetall

Young Apprentice

Nova Odessa, SP

July 2010 – June 2012

SKILLS

Languages: TypeScript, JavaScript, HTML, CSS, Python, SQL, C, Java

Technologies: React.js, Node.js, AWS, Git, Jest, Vitest, React Testing Library, MobX, Cypress, Playwright

Communication: Fluent English, Native Portuguese, Basic Spanish

EDUCATION

UNESP

Bachelor's Degree in Computer Science

Mar. 2015 – Dec. 2020

Rio Claro, SP

SENAI

Industrial Apprenticeship - Machining Mechanic

July 2010 – June 2012

Americana, SP