

# Cauê Adriano de Souza Castro

Software Engineer | Frontend with Full Stack Experience

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

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## Professional Summary

Software Engineer with a focus on **Frontend using React, Next.js and TypeScript**, with experience building web applications, GNOME desktop applications, and system-integrated solutions.

Author of **Quick Lofi**, a GNOME extension with over **10,000 downloads**, focused on performance, system integration, and simple user experience.

Currently working with **React, Next.js, and TypeScript**, developing scalable interfaces, integrating APIs, and improving performance in real-world applications.

Also experienced in native desktop application development using **GNOME technologies (GJS, GTK4, and LibAdwaita)** and mobile development with **React Native**, along with backend experience using **Node.js** and **Python**.

Experienced in integrating AI-assisted development tools (such as GitHub Copilot, ChatGPT/Codex, Claude, Gemini, and DeepSeek) to automate repetitive tasks, accelerate delivery workflows, support debugging/refactoring, and improve overall engineering productivity in professional environments.

Seeking a remote opportunity to contribute to real products and grow within a collaborative team.

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## Technical Skills

- **React, Next.js, TypeScript**
  - **JavaScript (ES6+)**
  - **TailwindCSS**, Shadcn/ui
  - **REST API** integration and consumption
  - **GNOME / GTK (GJS, GObject, GLib)**
  - System extensions development (GNOME Shell and Nautilus)
  - **React Native (Expo)**
  - Node.js, Python, Django, Django REST Framework (DRF)
  - PostgreSQL, MongoDB, SQLite
  - Docker, GitHub Actions, CI/CD, Git, Linux
  - Shell Scripting
  - Testing with **Vitest**
  - AI-assisted development and workflow automation
  - MCP (Model Context Protocol)
  - GitHub Copilot, Claude Code, OpenCode, ChatGPT, Gemini, Codex, and DeepSeek
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## Professional Experience

### Frontend Developer (Junior) | VXCASE | Current (~3 months)

- Built and maintained web interfaces using React, Next.js, and TypeScript, focusing on reusable components
  - Implemented responsive layouts with TailwindCSS, ensuring visual consistency across screens
  - Translated Figma designs into code with high visual fidelity and attention to detail
  - Integrated REST APIs, consumed external services, handled asynchronous states and error handling
  - Improved performance on data-heavy pages by implementing lazy loading (scroll-based rendering)
  - Wrote behavior tests using Vitest
  - Used AI-assisted tooling to automate repetitive tasks, support refactoring/debugging workflows, and accelerate development processes
  - Participated in code reviews, bug fixes, and continuous codebase improvement
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### Frontend Developer (Volunteer) | Central Institute of Citizenship (ICEC)

- Developed a donation page with PIX payment integration
  - Implemented dynamic QR code generation based on user input (amount and location)
  - Structured the application to be easily maintained by non-technical users
  - Delivered a functional solution focused on improving online donation flow
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## Projects

### Quick Lofi | GNOME Extension

[GitHub](#) | [Preview](#)

Extension published on the official GNOME store with over 10,000 downloads

- Built using GJS (GNOME JavaScript bindings)
  - Implemented an audio player using mpv with IPC control
  - Integrated directly into the system panel with a focus on quick access and UX simplicity
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### Flexa | GNOME Desktop Application [GitHub](#)

- Native **GNOME** application built with **Python, GTK4, and LibAdwaita**
  - Automated conversion of Windows cursor themes to formats compatible with Linux distributions
  - Implemented asynchronous processing using **threads** and **queues** to perform background tasks without blocking the user interface
  - Packaged for distribution as **Flatpak** and **RPM**
  - Configured **CI/CD pipelines with GitHub Actions** to automatically build and generate distribution artifacts
  - Structured using **Meson** following GNOME ecosystem development conventions
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### Auto Volume | Mobile Application | React Native

[GitHub](#)

- Mobile app that monitors system volume changes and automatically restores it after a configurable delay
  - Implemented system event listeners to capture real-time volume changes
  - Managed asynchronous logic using timers to automate behavior
  - Explored background execution and persistent notifications
  - Built with React Native (Expo), focusing on reactive behavior and automation
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### **Scrolled** | Firefox Extension

[GitHub](#)

- Reading progress indicator for web pages
  - Built with TypeScript and optimized using Rollup
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## **Education**

### **Associate Degree in Systems Analysis and Development**

UniAmérica | Completed in 2025

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## **Certifications & Languages**

- Advanced English (EF SET C2)
- Python AI Backend Developer (DIO)
- MongoDB Data Modeling and CRUD Operations
- Object-Oriented Programming
- DevOps Strategy