Renzo Chiarino

FUSING TECHNOLOGY & CREATIVITY

PERSONAL

Developer from Uruguay where I'm currently based at. Student, Lecturer and always pushing my limits.

LANGUAGES

Spanish - Native
English - Intermediate
Portuguese - Basic

HOBBIES

I stay active mainly training calisthenics, strong passion for photography an area that always manage to keep me engaged.

Hi there! As a **fourth-year Software Engineering student** at 24 years old, I am deeply passionate about merging technology with design. Proficient in various programming languages and equipped with hands-on experience in software development, with a keen eye for aesthetics and functionality, I thrive on creating software solutions that not only meet technical requirements but also deliver exceptional user experiences.

- I'm exploring how **LangChain** and **vector databases** can help us build smarter and more capable AI agents.

- Experience in **front-end development**, incorporating modern technologies and frameworks. Recently, I've been exploring Next.js extensively, leveraging its capabilities to create dynamic and efficient web applications.

CONTACT INFO

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TOOLS & PROFICIENCY

DESIGN, UX & UI

Adobe Photoshop, Adobe Ilustrator, Adobe InDesign, Figma, Framer, Miro

FRONT-END

Javascript [Vanilla, Typescript, React, Next.js, Angular.js],
CSS [Vanilla, Sass, Tailwindcss, Bootstrap],
HTML5, Webpack, VSCode, Rider, XCode

BACKEND

RESTful APIs, Node.js, Express, Prisma, Entity Framework & EF Core, .NET, C#, PHP, Java

DATABASE

MySQL, MongoDB, Firebase, SQLManager

DEVOPS

Docker, Kubernetes, GitHub, GitHub Actions, Git

TESTING

Postman, Jest, MSTest, TDD & BDD

PRODUCT & ANALYTICS

Prototyping, Google Analytics, Web Vitals, SEO, A/B

SOFT SKILLS

Adaptability, Fast learning, Teamwork, Problem Solving, Creativity, Communication, Time Management

RELEVANT EXPERIENCE

FOUNDING ENGINEER | METRIA
01-2025 - Present

Currently, I'm focused on developing RAG-powered agents primarily using Python. My responsibilities include implementing new features for these agents and building a user-friendly UI for **seamless interaction**. I've also developed agents that connect via platforms like WhatsApp, expanding user access beyond the main platform. These agents are integrated into our core platform, where the user can monitor the interactions.

SOFTWARE ARCHITECTURE LECTURER | UNIVERSIDAD ORT
03-2025 - Present

Throughout the course, students learn how to apply theoretical concepts and various tactics to technology. Students are evaluated through a mandatory assignment where they are tasked with developing an application with different requirements such as performance, availability, or security. To achieve this, the technology section covers the use of Node.js and TypeScript, databases (relational and non-relational), thread and parallelism management, API development, Docker as a deployment tool, and some testing strategies.

LECTURER FOR OPERATING SYSTEMS | UNIVERSIDAD ORT
08-2024 - Present

In this course we cover various topics, going from the basic of an operating system with low level languages, to more abstracts and infrastructure like as it would be Docker. From this base, we start with **concurrency** and **parallelism**, introduction to thread and exclucion structures as semaphores or mutex. Then we introduce **virtualizacion** and **conteinerization** with a deeper dive in this area since is important that the student knows how to handdle and work with this tools that are used in the daily bases in tech.

ASSISTANT LECTURER FOR DATA STRUCTURES AND ALGORITHMS 1 | UNIVERSIDAD ORT
03-2023 - 06-2023

This was my first encounter with **teaching**. In the beginning, I managed to create a work plan to provide better assistance to the students and teachers who consulted me, the main objective being to **teach** the students how to tackle **algorithmic problems** and how to **generate a solution** constrained by the specified requirements. It was a very enjoyable job for me because each student has a **different problem** and a differently devised solution, which led me to have to quickly understand and **adapt** to this constant change in order to generate a solution, explain why it wasn't working for them, or even generate **tests** for certain edge cases that raised doubts for me.