HUMBERTO PIAIA

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SC, Brazil

I am a full stack engineer with advanced expertise in **TypeScript**, **PHP**, **C#** and **DevOps**.

Over all those years, I've transitioned from designing website layouts to developing robust web applications, aiding businesses in expanding their customer base and revenue. My expertise also extends to **DevOps**; I've architected and maintained clusters hosting hundreds of services with **Kubernetes**, **Docker** and **Terraform**.

Now, I specialize in optimizing software performance using advanced technologies like **TypeScript**, **Go**, and **Rust**.

Experience

Senior Backend Engineer at Smartrr

October 2023 - Present

- Implemented **Temporal.io** for backend processes, migrating legacy cron jobs to it. This enhanced the handling of complex and recurring workflows.
- Successfully migrated a **Gatsby** application to **NextJS**; resulting in an *80% improvemen*t in build times and significantly enhanced developer and user experience.
- Elevated the test coverage of the codebase and transitioned all suites from **Jest** to **Vitest with SWC**, *accelerating test run times by 75%.*

Senior Full Stack Engineer at McGraw Hill

August 2021 - October 2023

- Help improve existing software by implementing new features and refactoring code for better optimization.
- The technologies used include **TypeScript, Go**, **AWS**, **Docker**, and **Terraform**.

Full Stack & DevOps Engineer at RankMyApp

July 2020 - August 2021

- Designed and maintained the communication architecture for over 100 **dockerized microservices** that run in a **Kubernetes cluster** (**AKS**).
- Created and optimized continuous integration and continuous delivery processes using **Github Actions** and **Azure**.
- Deployed and configured several monitoring services for the **Kubernetes cluster**, including **Grafana**, **New Relic**, **Linkerd**, and **Graylog**.

Full Stack Developer & Technical Leader at Questor Sistemas

December 2017 - July 2019

- I have implemented a web crawler from scratch with a complex queue management, handling over *100,000 jobs per day*. The project was built using **PHP**, **Laravel**, **Redis**, and **MongoDB** and deployed as a serverless application to **AWS Lambda**. This allowed for better scaling, reducing costs while increasing performance.

- Developed and maintained an internal framework, built with **C#** and **.NET Core**, to increase productivity and consistency in the development of new products. This framework followed a **Domain-Driven Design** and **Multitier Architecture**. The frontend (design system) was built with **React** and **TypeScript**.

Full Stack & Mobile Developer at iBR Soft

June 2016 - December 2017

- I have conceptualized, implemented, and maintained user-friendly web and mobile applications using **Laravel**, **React**, and **React Native**. These applications were fully integrated with the company's main software and have helped increase revenue by up to *50% per customer*.

- Introduced many development concepts and design patterns (such as **SOLID**, **Domain-Driven Design**, and **Unit Testing**) that significantly improved the codebase across all software.

Full Stack Developer at Pixels

January 2014 - June 2016

- I helped to conceptualize and develop many original website layouts using **Laravel** and **Vue.js**, always focus on matching the client's vision.

- Collaborated with designers to translate high-fidelity prototypes into functional products, ensuring the best possible user experience.

Skills

(8+ years) JavaScript, PHP, HTML, CSS

(6+ years) TypeScript, React, C#, Docker

(4+ years) React Native, Kubernetes, Terraform, AWS

(1+ years) Go, Rust

English → Proficient

Portuguese → Native

```
fmt.Println("keep coding!");
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