

Marcus Ícaro

Software Engineer

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Skills

Languages: JavaScript, TypeScript, PHP, HTML, CSS, SQL, Shell Script, SASS/SCSS, Dart, Go (GoLang), Python, C#

Libraries/Frameworks: Laravel, React, Angular, jQuery, Vue, Tailwind CSS, Bootstrap, Jest, Flutter, .NET, Next.js, NestJS

Tools: Node.js, Git, Docker, AWS (SQS, Lambda, S3), GCP, Nuxt, Azure, MySQL, Firebase, GitLab, Redis, Cypress, Linux

Experience

Full Stack Software Engineer, Cigo Tracker – Montreal, QC Jun 2024 – Present

- Enhanced 2 cloud APIs (**Node.js** and **Python**) on **AWS** and **Azure**, increasing observability, adding secure endpoints, load balancing, async processing, boosting performance and reliability while reducing costs.
- Built high-performance, secure backend systems using **PHP**, **C#**, **.NET**, **MySQL** and **Redis**, reducing API response times by up to 50% through query optimization, best code practices and caching.
- Led frontend development of a multilingual web platform for international clients using **Angular**, **NgRx**, **ReactJS**, **Redux**, **TypeScript**, **jQuery**, **JavaScript**, **SCSS** and **Bootstrap**, improving load times by 30%.
- Applied DevOps practices by containerizing applications with **Docker**, **Shell Script** and **Node.js**, streamlining team setups and reducing environment-related bugs by 40% and simplifying deployment at scale.
- Developed **Jest (TypeScript)** unit tests (60%+ coverage) and integrated into **GitLab CI/CD**, collaborating with QA to detect defects early and prevent regressions in production.
- Collaborated in **Agile** ceremonies, code reviews, and mentoring to drive knowledge sharing, improve sprint outcomes, and ensure code quality across an international team.

Full Stack Software Engineer, Tarvos – Campinas, SP Dec 2023 – Jun 2024

- Developed 9 user-friendly front-end web interfaces using **AngularJS**, **TypeScript**, **JavaScript**, **Bootstrap** and **Tailwind**, ensuring consistent design and enhanced user experience across devices.
- Reduced **Google Cloud Platform (GCP)** costs by 35% for an **Artificial Intelligence (AI)** product by analyzing usage, optimizing resources, and clearly communicating solutions to stakeholders through **BigQuery** insights.
- Built scalable back-end microservices architecture with **Node.js**, **Go**, **Python**, **ExpressJS** and **GraphQL**, leveraging **Firebase** to boost reliability 40%, optimize performance, and enable real-time data handling.
- Integrated unit, integration, and E2E (end-to-end) tests using **Mocha**, **TypeScript**, **Cypress** and **Firebase** with 60%+ coverage into **GitLab CI/CD pipelines**, enabling automated quality checks.

Full Stack Software Engineer, LigaMagic – São José dos Campos, SP Jan 2023 – Dec 2023

- Designed 5+ responsive e-commerce web apps using **HTML**, **CSS**, **Bootstrap**, **Vue**, **Nuxt**, **PHP** and **jQuery**, cutting client costs by 15% and boosting SEO rankings by 10% while ensuring scalability and accessibility.
- Engineered 1 cross-platform mobile app for **iOS** and **Android** using **Flutter** and RESTful APIs, delivering optimized UX and seamless API integration, resulting in faster feature delivery and higher user retention.
- Practiced Test-Driven Development (TDD) to write 50+ unit and integration tests with **Jest** and **Mockito**.
- Streamlined software development workflows and strengthened web architecture by configuring 3 **Docker** containers and managing code with **GitHub/Bitbucket**.

Full Stack Software Engineer, MMR Web – São José dos Campos, SP Dec 2020 – Dec 2022

- Architected and maintained 7+ full-stack website applications using **PHP** and **JavaScript** programming languages, **React.js**, **Next**, **MongoDB** and **PostgreSQL**, ensuring scalable and maintainable codebases.

Education

UNICSUL – Systems Analysis and Development Dec 2019 – Dec 2023

UFABC – Human Science Jun 2014 – Jun 2020