João **Carrasco**

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About me

As a developer, I prioritize simple solutions over over-engineered ones. I have experience working on diverse projects in various industries, including Telecom, Banking, IoT, and Networking, with a focus on backend engineering. In addition to my professional work, programming is also a hobby of mine, and I enjoy exploring new technologies and messing with reverse engineering. Beyond programming, I spend my time reading, learning music, playing, and spending time with friends.

Work Experience

Akamai Technologies (Previously Asavie, acquired Oct 2020)   *Dublin, IE*
SENIOR SOFTWARE ENGINEER   *Jun 2018 – Aug 2022*

- Designed, provisioned, built, and maintained highly scalable APIs for Akamai IoT security services using modern **.NET Core microservices** running on **Docker/Kubernetes (AKS)** and **Azure Functions**, implementing patterns like **CQRS**, **Event Sourcing**, and **Actor Model** concepts. Using mostly **Azure and Azure DevOps for CI/CD**.
- Led design sessions for system architecture, **OpenAPI** design, and new feature implementation details.
- Automated cloud resource creation and management using **Pulumi (C# and TypeScript)** and **Terraform**.
- Built and maintained pipelines for automated build/test/deployment of applications using **Azure DevOps**, with automated deployment to **Kubernetes**, **Azure Functions**, and **WebApps** across multiple environments.
- Integrated our systems with centralized solutions for logs, traces, and metrics like **Jaeger**, **ELK**, and **Grafana**.
- Mentored new team members joining the team.
- *Technology Stack: ASP.NET Core, Docker, Kubernetes, Pulumi/Terraform, CosmosDB, Azure Functions, Azure Storage Queue, Azure Event Grid, Azure Service Bus, Azure Event Hubs, and more.*

Itaú   *São Paulo, BR*
SOFTWARE ENGINEER   *Jun 2017 – Apr 2018*

- Developed and maintained Banco Itaú, ItaúCard and ITI apps, worked mostly with **Android** but sometimes also with **iOS**, and developed API's with **Node.js**. Had some experiences with CI/CD (**Jenkins** and **SonarQube**).
- *Technology stack: Node.js, Express, Android (EventBus, Retrofit, RxJava), iOS (Objective-C and Swift).*

MUTANT BR   *São Paulo, BR*
FULL STACK ENGINEER   *Apr 2017 – Jul 2017*

- Developed web systems for NET and Claro, using mainly Microsoft technology stack, **Agile (Scrum)**, TFS for versioning and **SQLServer** for database. Also responsible for creating some CI jobs using **Jenkins** and **Octopus Deploy**.

TOTVS juriTIs   *São Paulo, BR*
FULL STACK ENGINEER   *Jul 2015 – Jan 2017*

- Developed web systems for some of the biggest legal offices in Brazil, using mainly Microsoft technology stack, Agile (Scrum), databases with TSQL (SQLServer) and PL/SQL and Crystal Reports for reports.
- *Technology stack: ASP.NET MVC5, EF5, WebAPI v2, OData v2, LINQ, SignalR, HangFire, AutoMapper, SimpleInjector, Durandal, KnockoutJS, BreezeJS, JQuery, KendoUI.*

Instituto Federal de Educação, Ciência e Tecnologia de São Paulo   *São Paulo, BR*
TEACHER ASSISTANT   *May 2013 – Mar 2014*

- Paid internship during college, responsible for helping in Programming Logic and C Development classes.

Skills

Programming Languages: C#, JavaScript, TypeScript
Technologies: Azure, Docker, Kubernetes, ELK, Pulumi, Terraform, SQL (MS SQLServer, Postgre), No-SQL (CosmosDB, MongoDB)
Used Previously: Clojure, Go, Java, Python
Studying: Rust, F#

Education

Instituto Federal de Educação, Ciência e Tecnologia de São Paulo   *São Paulo, SP*
BACHELOR IN TECHNOLOGY   *2012 – 2016*