

João Carrasco

✉ carrascojp@outlook.com | ☎ +1 647 338 8943 | 📍 Toronto, Ontario, CA
🌐 <https://www.linkedin.com/in/joao-carrasco/> | 🐙 <https://github.com/jpcrs/>

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 work and programming, I like to spend my time reading, learning music, playing games, and spending time with family and 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

- Developing and maintaining **Banco Itaú**, **ItaúCard** and **ITI** apps, working mainly with **Android** but sometimes also with **iOS**, and developing 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

- Developing 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**.
- *Technology stack: ASP.NET MVC5/WebAPI, EF5, WCF, Redis, LINQ, AutoMapper, SimpleInjector, JWT, Jenkins, AngularJS.*

TOTVS juriTis

São Paulo, BR

FULL STACK ENGINEER

Jul 2015 – Jan 2017

- Developing 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#