Alvaro Barros

Senior Software Engineer

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EXPERIENCE

IT Architect, Santander Bank — 2019—Presente
Member of the Frontend Architecture team to work on various SDKs and internal tooling - such as Networking, Cryptography, Analytics - to help development of other apps. Primarily focused on Mobile tasks, using hybrid technologies and a little of native development.

- Web: Angular, React, JavaScript
- Mobile: Flutter, Kotlin, Swift
- Backend: NodeJS, Java Spring Boot
- Cloud: Azure, AWS

Full stack Developer, iRestify — 2022—2023
I contributed to the Admin platform, on the billing AWS step-functions and integrating the system with Stripe API. This would automate the creation of bills for their clients and update the invoice databases accordingly.

- Web: React, TypeScript
- Backend: NodeJS, NestJS, PostgreSQL
- Cloud: AWS Lambdas, CDK

Senior Software Engineer, Vector Software — 2019—2019
Hired initially as a third-party Senior developer and would work primarily for Santander, before being hired as a Tech Lead for the app mentioned above. At this time, however, I would join different projects to provide assistance to either hit deadlines and deliver in time.

- Web: Angular
- Mobile: Ionic, Cordova, Kotlin
- Backend: ASP.NET, Microsoft SQL Server
- Cloud: Azure

Associate Software Engineer, Avanade — 2018—2019
I was a developer for internal tooling inside a health insurance company, Qualicorp, and Albert Einstein Hospital, in São Paulo. This was my first experience with Azure Cloud development and DevOps

- Web: Angular, jQuery
- Backend: ASP.NET Core, Microsoft SQL Server
- Cloud: Azure

Software Development Intern, Resource Solutions (now Qintess) — 2017—2018
This was my first job as a Software Developer, previous to this I was only doing side-projects and freelance. At this time, I had my first contact with Agile methodology, Kanban, etc. I would work on a website for Itaú Unibanco, Movidas landing page, CPFL administration back office, and some other projects.

- Web: Angular, jQuery
- Backend: ASP.NET, Microsoft SQL Server
- Cloud: Azure

ACADEMIC PUBLICATIONS

Bi-Dimensional Image Processing for Measuring Human Body Parts — 2019
10th IFSP Innovation, Science and Technology Congress (CONICT)

The present work aims to present a study on visual recognition techniques, based on object detection techniques that are capable of recognizing, delimiting, segmenting and measuring the human foot. The experiments were carried out in the TensorFlow environment in conjunction with the MS-COCO model. It is expected that the results of this application can be used in e-commerce applications such as virtual fitting rooms for the footwear industry and other applications that may arise.

EDUCATION

Federal Institute of Education, Science and Technology of São Paulo — System Development and Analysis, 2020