

# Fabricio Tramontano Pirini

FRONT-END ENGINEER · FULLSTACK WEB DEVELOPER · SOFTWARE ENGINEER

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## Skills

### Programming

Javascript Python Bash NoSQL and SQL Clojure HTML CSS

### Technologies

React Redux Node Express GraphQL BeautifulSoup Selenium Docker Git

## Experience

### Sportradar

Oslo, Norway

FRONT-END ENGINEER

Sep 2018 - Present

- Implemented web user interface by employing object-oriented design using *React/Redux*, *REST API*, *Node.js* and *Express.js*
- Improved web crawlers and scrapers to take up to 120x less time and 10x fewer resources by refactoring into 5 new independent microservices and optimizing the build and deploy process
- Improved developer experience by reducing in 85% the issues during project deploy by migrating and improving CI/CD from Jenkins to Gitlab, creating its dev and release pipelines and applying containerization techniques with *Docker*
- Helped a team of 9 people on improving its software development process by implementing Agile development methodologies and use Scrum and Kanban frameworks more effectively

### Samsung Instituto de Desenvolvimento para a Informatica - SIDI

Campinas, Brazil

PROJECT MANAGER OFFICE INTERN

Jan 2017 - Jan 2018

- Increased company transparency by creating 8 weekly reports for TVP/KPIs metrics on local projects and reported it to section director and internal documents as PMO assistant
- Spoke at 5 conferences related to Web Accessibility design and user experience (Around Us, SPIN Campinas) and IoT (SBIAgro, internal presentations)
- Assisted on IoT projects with Samsung Artik boards and Samsung Cloud by integrating them using NODE-Red and MQTT to exchange, store and display relevant metrics with collected data
- Designed and implemented from scratch the Web Accessibility portal by using plain *Javascript*, *HTML* and *CSS*, achieving Level AA of WCAG 2.0 conformance and developing tools to aid future researches
- Renewed old reporting system by replacing Excel Spreadsheets with a new and automated report system by using SQL Server Reporting Services and Power BI

## Education

### Universidade Federal de Itajuba - UNIFEI

Minas Gerais, Brazil

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Mar 2011 - Jul 2018

- Researcher at the *Computation Applied to Engineering* (CAE) research group
- Co-founded and Counsellor at Computer Engineering Student Union
- Attended to code marathon/hackathon study groups for 2 semesters
- Coordinated my team twice at the *Startup Weekend* event, won 2nd place in the 1st edition

### University of Toronto

Toronto, Canada

VISITING INTERNATIONAL STUDENT MAJORING IN ELECTRICAL AND COMPUTER ENGINEERING

Jul 2013 - Dec 2014

- Selected by the Brazilian government and former university for an 18-month non-degree exchange program for high-achieving talent based on leadership potential and academic success with fully-funded scholarship at University of Toronto
- Simulated and implemented Branch Prediction Theory concepts as a summer research assistant

## Projects

### Marketplace for selling shoes

Apr 2020

JAVASCRIPT, GRAPHQL

- Built a web application using React, GraphQL, Apollo and Prisma
- Implemented an marketplace store taking advantage of GraphQL queries

## Portal to help Non-profit organizations raise funds

Apr 2020

JAVASCRIPT, MOBILE

- Built a web and a mobile application with React, React Native, Expo and Node.js
- Implemented following the best coding practices, including unit and integration tests.

## API service for Simulation System

May 2019

CLOJURE, FUNCTIONAL PROGRAMMING, TDD

- Built an API service using Clojure, Midje and Swagger, using the Test-Driven Development (TDD) approach to help a better and healthier coding of the application and its quality
- Implemented an API taking advantage of functional programming and immutability provided by Clojure
- Documented using Swagger to provide an interactive documentation and more friendly examples

## Planning tool to help university students build their timetables and share with peers

Jul 2018

PYTHON, CLOUD

- Built application using Azure, Flask (Python), and PostgreSQL
- Implemented an scraper, parser, cleaner and processor of gathered data to display the student's weekly planning in real time to different users accessing the same web interface

# Volunteer Work

## Promote Brazilian Culture at University of Toronto

Toronto, Canada

FORRO TEACHER

Aug 2013 - Dec 2014

- Taught a Brazilian dance called Forro semiweekly to a group of students, varying from 10 to 30 people, from different countries and cultures
- Organized multicultural social events with the purpose of integration and dissemination of knowledge
- Helped foreigners with Canadian and English culture

# Leadership & Awards

2017 **1st intern to present on a SIDI tech talk**, Friday Talk about Web Accessibility design and user experience

Campinas, Brazil

2016 **2nd place**, Selected as 2nd best out of 30 startup ideas by the Startup Weekend selection committee at Universidade Federal de Itajuba

Itabira, Brazil

2013 **Scholarship**, Selected by the Brazilian government and my former university for an 18-month academic development program at University of Toronto

Toronto, Canada

2013 **Student Union Co-founder**, Co-founder and Counsellor on the 1st Computer Engineering Student Union at Universidade Federal de Itajuba

Itabira, Brazil