Fabricio Tramontano Pirini

Software Engineer

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Skills

Programming   `Javascript` `Python` `NoSQL and SQL` `Clojure` `Bash/Zsh`

Technologies   `Django` `React` `Redux` `Node` `Express` `Typescript` `Jest` `GraphQL` `BeautifulSoup` `Selenium`

Experience

Oda   *Oslo, Norway*
Software Engineer   *Aug 2020 - Present*

- Working on implementing a *"fast-fail, learn effectively"* experimentation culture while leading the Engineering effort on the Customer Activation front of the Growth funnel
- Joined Task Force to improve our Django codebase flexibility by removing unnecessary hard-coded configurations in order to allow company quick expansion and growth
- Represents the Engineering Discipline while assisting the organization and task discovery for our workflow, creating engagement and ownership to the process and minimizing top-down decision making
- Facilitate our internal Technical Debt workshop happening bi-monthly to maintain the codebase health and improve the Developer Experience
- Joined the Tech On-call Rotation for our Web Shop Platform and all its related services
- Interviewer for the Engineering Discipline, helping to setup top-class teams in the organization

Sportradar   *Oslo, Norway*
Full-stack Developer   *Sep 2018 - Jul 2020*

- 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 a fully-funded scholarship at University of Toronto
- Simulated and implemented Branch Prediction Theory concepts as a summer research assistant

Projects

Marketplace for selling clothing · ☐ Github + Demo   *Apr 2020*

Javascript, GraphQL, JWT

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

Portal to help Non-profit organizations raise funds · ☐ Github + Demo   *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 · ☐ Github + Documentation   *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

Real-time app for a seafood market · ☐ Github + Demo   *Jul 2018*

React, Firebase, Authentication

- 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*