

# Renan Cavichi de Freitas

Sao Paulo, Brazil (Seeking relocation to Vancouver Area)

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## Web Developer

Passionate web developer with strong academic and professional background focused on: web development, usability evaluation and agile methods. Able to design, prototype, develop, test, deliver and maintain high quality web systems.

## Summary of Qualifications / Professional Highlights

- ▶ Expert knowledge of web standards languages: Javascript (ES6), HTML 5, CSS 3.
- ▶ Expert knowledge of usability: Heuristics evaluation, checklist evaluation, and tests with users.
- ▶ Expert knowledge of agile methods: SCRUM framework.
- ▶ Deep knowledge of RESTful API and relational database modelling.
- ▶ Good knowledge of automated testing: Unit, integration and end-to-end testing.
- ▶ Knowledge of prototyping tools: Figma and Axure.
- ▶ Knowledge of continuous integration and e continuous delivery: Github Actions.
- ▶ Knowledge of design patterns: MVC, Object Orientation, Data Access Object, RESTful API and Middleware.
- ▶ Analytical problem-solver, able to anticipate issues and create new solutions, resolves issues, and improves efficiency.
- ▶ Strong attention to detail, dynamic and willing to take initiative.
- ▶ Ability to work and thrive in a busy, deadline-oriented environment.
- ▶ Great relationships with stakeholders, teammates, manager, and C-level. Work easily as a team or by myself.

## Education

### [WES Verification](#)

- ▶ Master's of Software Engineer, Brazil, SP 2015  
Aeronautics Institute of Technology
- ▶ Post Graduated in Master Business Information System: Web Systems Development, Brazil, SP 2011  
Universidade Cruzeiro do Sul - UNICSUL.
- ▶ Bachelor's of Information Technology, Brazil, SP 2007  
University Center, UNIMODULO.

## Technical Skills

Portfolio	Technologies and Details	Years
▶ Languages	Javascript HTML CSS Typescript	18 18 18 3
▶ Libraries	React React Native React Query Material UI Zustand State Manager (Redux Competidor)	5 3 1 2 1
▶ CMS	Wordpress Joomla Moodle	8 4 6
▶ Databases	Postgres MySQL GraphQL FaunaDB	11 18 1 1
▶ Testing	Jest Cypress	2 1
▶ Prototyping	Figma Axure	5 8
▶ Cloud Services	AWS (S3, EC2, SMS) Digital Ocean (Droplets, Databases, Spaces) Cloudflare (Workers, Pages)	6 11 2
▶ Usability	Heuristics Evaluation Checklist Evaluation Test with users Usability Metrics (SUS Questionnaire, Efficiency, Effectiveness)	10 10 10 6
▶ Backend	Node.js (Express) Edge Cloud Functions (Cloudflare workers - JS) PHP	2 2 18
▶ Other Tools	Git and Github (Version Control) Package Manager NPM CI / CD Github Actions	8 5 2

## Professional Experience

### Full Stack Developer Lead | Founder

AventureBox – Brazil – [\[aventurebox.com\]](https://aventurebox.com)

Jul/2011 – present

- ▶ Implemented web interfaces with standard web languages and RESTful APIs.
- ▶ Contributed in all stages of the platform's development cycle: conception, prototyping, development, testing, and maintenance.
- ▶ Designed mobile-based experience for web and native apps for Android and iOS.
- ▶ Optimized applications for maximum page speed.
- ▶ Contributed in design and implementation of cloud infrastructure in Digital Ocean, AWS and Google Cloud.
- ▶ Improved usability and built solutions for users and customers.
- ▶ Worked in a fast-paced environment with agile methodologies (SCRUM) helping the team to improve the development process.
- ▶ Participated in the definition of product strategies and feature prioritization.
- ▶ Helped in maintenance of the AventureBox platform that reached more than 2 million pageviews in six years and more than 100 thousand unique visitors per year in 2019 and 2020.

### Tenured Professor of Web Development

Federal Institute of Education, Science, and Technology – Brazil – [\[ifsp.edu.br\]](https://ifsp.edu.br)

Mar/2009 – present

- ▶ Taught subjects such as Web Programming Languages (HTML, CSS, Javascript, PHP, SQL), Agile Methodologies, Web Project Management and Relational Database for more than 13 years.
- ▶ Was a member of a board of professors responsible for creating the core curriculum and monitoring the evolution of the courses available to students. (Web development Technician and Technology in Analysis and Systems Development)
- ▶ Guided final course work related to web performance improvements, interfaces testing, usability evaluation, design thinking, agile methodology and geographic information system (GIS) with web technologies.
- ▶ Helped to train more than 550 IT professionals capable of contributing to the development of web systems in different industries.

### Software Engineer | Researcher

Casimiro Montenegro Filho Foundation – Brazil – [\[fcmf.org.br\]](https://fcmf.org.br)

Apr/2014 – Jan/2017

- ▶ Participated in the technology transfer project between the university and the private sector for the implementation of artificial neural networks to detect credit card fraud.
- ▶ Helped the team implement agile methodology to deliver iterative and incremental value to clients.
- ▶ Develop algorithms to collect, process and store data.
- ▶ Optimized databases with a large volume of data, creating views and materialized views to increase query performance.

International  
Publications

**Teaching Web Programming Based on Interdisciplinary Projects: An Experience Report**

Athens, Greece - 2017

[ATINER | 2nd Annual International Conference on Interdisciplinary Studies](#)

**AGILUS: A Method for Integrating Usability Evaluations on Agile Software Development**

Toronto, Canada - 2016

[SPRINGER | International Conference on Human-Computer Interaction](#)

**Applying Interdisciplinarity and Agile Methods in the Development of an Embedded System**

Las Vegas, USA - 2014

[IEEE | International Conference on Information Technology: New Generations](#)