

Randal Andrade Nunes

Web Developer

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I am full-stack web developer with experience writing robust software architecture and beautiful user experience. I have learned from the best developers I know, and I am always looking to learn more.

SKILLS

- **Front-End:** React.js, Vue.js, Next.js, Gatsby.js, Redux, Styled Components, SASS, HTML5, CSS3
- **Back- End:** Node.js, Ruby on Rails
- **Mobile:** React Native
- **Languages:** JavaScript, TypeScript, Ruby, Python
- **Tests:** Jest, Mocha
- **Databases:** PostgreSQL, MongoDB
- **Deployment & Development Tools:** Heroku, AWS, Digital Ocean, Git, Docker
- **CI/CD:** Travis CI
- **Data Mining:** Scrapy, Selenium
- **Web Design:** Photoshop, Figma

RELEVANT EXPERIENCE

ParcelPal, Full Stack Engineer (remote)

Vancouver, BC, Canada, **07/2018 – present**

- Developed, from the ground up, a dashboard for internal use, using Typescript on both the front-end and back-end, React.js, Node.js, MongoDB, and Jest for unit testing. Some of the features of the dashboard are:
 - Pricing module that calculates route costs depending on which zone each address is in based on KML geocoded polygons.
 - Route optimization using Google maps, geocoding, autocomplete and directions APIs.
 - Automatic billing to customers and drivers through emails.
- Used Scrapy and Selenium to mine relevant data from the web. I created a tool to automate workflows using the data collected.
- Worked with designers to completely redesign the landing page.

- Helped to maintain a cohesive design across the website and dashboards.

Technologies used: TypeScript, Node.js, React.js, Jest, MongoDB, Scrapy, Selenium, Python, JavaScript, HTML5, CSS3, Travis CI, Digital Ocean

Design Patterns: TDD, SOLID, OOP

NCI Soluções em Saúde, Full Stack Engineer (remote – contract)

São Paulo, SP, Brazil, **03/2020 – 09/2020**

- Developed a full-stack application for 13 privately-owned Brazilian hospitals where they will be able to compare each other's metrics to better assess what processes need to be improved on.
- Using Test Driven Development, I was tasked with the development of a robust software architecture using SOLID and TDD principles for a maintainable and reusable code base.
- Implemented a variety of pages for our customer facing dashboard using Vue.js

Technologies used: TypeScript, Node.js, Vue.js, Mocha, Docker, Styled Components

Design Patterns: TDD, SOLID, OOP

SIDE PROJECTS

WebToolbox

- Simple website with tools for everyday use
- I designed this website myself using Figma and implemented it on Next.js for SSR and better SEO.
- <https://webtoolbox42.com/>
- <https://github.com/randal923/WebToolbox>

Technologies used: Next.js, TypeScript, Figma, Styled Components

WebCraft

- Mock website of a web development start-up.
- I designed this website myself using Figma and implemented it with Gatsby.js
- <https://www.webcraft42.com.br/>
- <https://github.com/randal923/WebCraft>

Technologies used: Gatsby.js, Figma, Styled Components

Galaxy

- Designed and implemented my own portfolio website using vanilla JavaScript and Webpack for code bundling, code minification and Babel as a transpiler.
- Created a space shooter game that can be played on the desktop version of my portfolio website. Making this game taught me a lot about HTML5 Canvas and JavaScript itself.
- <https://github.com/randal923/Galaxy>
- <https://randal.me>

Technologies used: SASS, JavaScript, HTML5 Canvas, Webpack

Design patterns: BEM

EDUCATION

Douglas College, New Westminster, Canada
01/2013- 04/2016 **Diploma in Financial Services Management**

São Paulo State Technological College, Indaiatuba, Brazil
01/2009 – 04/2011 **Bachelor in Business Management**

COURSES

CodeCore Bootcamp, Vancouver, Canada
03/2018 – 06/2018 **Diploma in Full-Stack Web Development**
12 week, 60 hour/week, full-stack web development bootcamp. Technologies learnt include:

- Front-End: HTML5, CSS3, JavaScript, Ajax, Bootstrap, React.js
- Back- End: Ruby on Rails, Node.js
- Databases: PostgreSQL
- Deployment & Development Tools: Heroku, GitHub

Canadian Securities Institute, Vancouver, Canada
2017 – 2017 **Completed the Canadian Securities Course**

ONLINE COURSES

The conclusion dates refer to when I applied for the certificates. I have completed many of these courses way before these dates.

Harvard CS50, cs50.harvard.edu
Enrolment January/2021 – ongoing
Completed:

- Week 0: Scratch
- Week 1: C
- Week 2: Arrays
- Week 3: Algorithms
- Currently on week 4 – Memory
- Week 5: Data Structures
- Week 6: Python
- Week 7: SQL
- Week 8: HTML, CSS, JavaScript
- Week 9: Flask
- Week 10: Ethics

Complete C# Unity Game Developer 3D, Udemy
Enrolment January/2021 – ongoing

React – The Complete Guide, Udemy

Enrolment June/2018 - Completion January/2020

Advanced CSS and SASS: Flexbox, Grid, Animations, Udemy.

Enrolment June/2018 - Completion January/2020

Bootstrap 4 from Scratch with 5 Projects, Udemy

Enrolment June/2018 - Completion January/2020

Node with React: Fullstack Web Development, Udemy

Enrolment July/2018 - Completion January/2020

Modern JavaScript from the Beginning, Udemy

Enrolment August/2018 - Completion January/2020

Scrapy: Powerful Web Scraping & Crawling with Python, Udemy

Enrolment September/2018 - Completion January/2020

The Complete JavaScript Course: Build Real Projects, Udemy

Enrolment February/2018 - Completion January/2020

TypeScript: The Complete Developer's Guide, Udemy

Enrolment January/2020 - Completion May/2020

LANGUAGES

Portuguese (Native)

English (Fluent)