Antonio **Santos**

JUNIOR SOFTWARE DEVELOPER

Calgary, AB, Canada

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Education

Schulich School of Engineering, University of Calgary   *Calgary, Canada*

BSc IN SOFTWARE ENGINEERING   *Sept. 2017 - June 2022*

- GPA: 3.42/4.0
- Relevant Coursework: Linear Algebra, Data Structures and Algorithms, Database Management Systems, Principles of Software Design, Principles of Operating Systems, Computer Networks, Software Architecture, Human-Computer Interactions, Big Data Analysis, Web-Based Systems

Technical Work Experience

Chata Technologies   *Calgary, Canada*

BACKEND SOFTWARE DEVELOPER INTERN   *May 2020 - Aug. 2021*

- Participated in the entire application life-cycle, from design to deployment, with focus on implementation, testing and troubleshooting. Worked with several languages and frameworks such as: **Java, SpringBoot, Python, Flask, PostgreSQL**
- Designed and implemented high quality, high performance and scalable microservices and APIs, complete with unit tests to ensure code quality.
- Efficiently collaborated with Front-end developers to integrate user-facing elements with server-side logic.
- Designed and implemented a robust data architecture for various backend systems.

Projects

WestJet Flight Recommendation System - *Private Repo*

TECH STACK: JAVASCRIPT, VUE, AXIOS, HAPI, STORYBOOK

- Software engineering capstone project, sponsored by WestJet and partnered with the University of Calgary.
- A system for recommending flights to guests and tracking their flight history. Integrated with WestJet's commercial API's
- Lead backend developer responsible for building the recommendation engine and tracking engine logic to determine recommendation prioritization.

peachAt - *https://github.com/antondotio/peachAt*

TECH STACK: JAVASCRIPT, EXPRESS, REACT, CSS/SASS, SOCKET.IO

- A messenger app where you can join, choose a nickname and color, and talk with friends. Responsive to both web and mobile medias.
- Uses JavaScript, Express and Socket.io in the back end to perform the logic and send messages to clients. The front end is written in React in a bright, peachy color scheme.

Virtual Realty - *https://github.com/antondotio/VirtualRealty*

TECH STACK: C#, WPF

- A web app that simulates an online real estate website where users can an in depth search system to discover, view and favorite home listings.
- Has significant focus on user experience, user interaction, and interface design.
- Responsible for building the logic behind the entire search feature of the system in C#, as well as its design

UniversiTea - *https://github.com/antondotio/UniversiTea*

TECH STACK: JAVASCRIPT, VUE, MYSQL, AXIOS

- A social media platform for university students to make public or anonymous posts on dedicated school forum pages.
- Implements several software architecture patterns like MVC and microservices to improve code base organization complexity, as well as Event Sourcing and CQRS to manage data.

Stoked Clothing - *https://github.com/antondotio/StokedClothing*

TECH STACK: REACT, PYTHON, MYSQL, AXIOS, FLASK

- A React website that simulates an online clothing store where users can login/signup, view item pages, add items to cart, and purchase them.
- Has significant focus on database management and organization using MySQL.
- Responsible for building the API that retrieves and processes data from our database, written in Python using a Flask framework

Skills

Languages	Java, Python, JavaScript, C, C++ ,C#, SQL, HTML5, SASS, CSS
Frameworks	SpringBoot, Flask, Axios, React, Vue, Spark, Hadoop, Node.js, Hapi.js, Flutter, Socket.io, WPF

Honors & Awards

2017	**International Baccalaureate Diploma**, Father Lacombe High School	*Calgary, Canada*