Antonio **Santos**

JUNIOR SOFTWARE DEVELOPER

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Education

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

BSC IN SOFTWARE ENGINEERING   *Sept. 2017 - May 2022*

- GPA: 3.5/4.0
- 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

Work Experience

Chata   *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**
- Improved the company's business trajectory by building and maintaining a brand new product demo application, this helped impress more prospective buyers.
- Increased the efficacy of company workflows by designing and implementing high performance and scalable **microservices and API's** to automate several internal pipelines.
- Collaborated with Frontend developers to efficiently integrate various systems and expedite the deployment of services.

Projects

WestJet Flight Recs - *https://engineeringdesignfair.ucalgary.ca/software/flightduck*

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.

Competl - *https://competl.vercel.app/*

TECH STACK: JAVASCRIPT, REACT, NEXTJS, MONGODB

- A Wordle clone that adds an extra layer of competitiveness with the use of a timer and a leaderboard that refreshes every day.
- Implemented the entire frontend components as well as the functionality of each tile and word guessing.

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.

Skills

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