

# Antonio Santos

SOFTWARE ENGINEER

Calgary, AB, Canada

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## Experience

### Phreesia

Ottawa, Canada

SOFTWARE ENGINEER

Nov. 2022 - Present

- Developed a complex API that integrated with several other systems such as **EMRs/EHRs, FHIR and HL7**, written in **C#**.
- Programmed robust and extensive unit tests using **Moq and NUnit** to ensure high quality code with minimal bugs and errors.
- Updated old codebases and object schemas to reflect a more modern and robust program.

### WestJet with UCalgary - <https://engineeringdesignfair.ucalgary.ca/software/flightduck>

Calgary, Canada

LEAD BACKEND DEVELOPER

Sept. 2021 - May 2022

- Software engineering capstone project, sponsored by WestJet in partnership with the University of Calgary.
- Developed a flight recommendation system and flight history tracker in **JavaScript and Hapi.js** for the use of WestJet customers.
- Integrated the services with WestJet's commercial APIs and used **Vue and Storybook** to help visualize the data and the prototype.

### Chata.ai

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.
- Improved the company's business trajectory by building and maintaining a brand new AutoQL demo application in **Java, SpringBoot and PostgreSQL**.
- Increased the efficacy of company workflows by designing and implementing high performance and scalable **microservices and API's** to automate several internal pipelines in **Python and Flask**.
- Collaborated with Frontend developers to efficiently integrate various systems and expedite the deployment of services.

## Projects

### 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

## Education

### Schulich School of Engineering, University of Calgary

Calgary, Canada

BACHELOR'S OF SCIENCE IN SOFTWARE ENGINEERING

Sept. 2017 - May 2022