

# Jensen Khemchandani

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## Objective

4<sup>th</sup> year CS student exploring to gain professional experience collaborating with a passionate team on high-impact software to develop my technical skills and problem-solving abilities.

## Work Experience

**Co-op Software Developer** | *Willowglen Systems Inc.* | Jan. 2021 – Sept. 2022

- Contributed to mission critical **IIOT** and **SCADA** software that has been deployed across numerous industrial and metro rail systems around the world.
- Administered on-premises **Kubernetes** clusters to secure, run, and monitor the deployment of containerized applications.
- Automated the provisioning of in-house and customer architecture using **Bash** and **Ansible** scripts alongside **Docker**.
- Developed and tested microservice applications/libraries using **Golang** and **C++**.
- Streamlined in-house testing and validation processes using **Gitlab CI/CD** pipelines.
- Utilized **Git** to maintain multiple Gitlab repositories using the Git-flow branching workflow.

## Education

**B.Sc. Computing Science** | *University of Alberta* | Sept. 2018 – Apr. 2024

## Course Work

**“Dev in a Box” Dashboard** | **NodeJS, ReactJS, REST API, PostgreSQL, Stripe**

- A full stack web application which provides users with an interactive dashboard to manage and create cloud-hosted developer environments.
- Collaborated with a local tech start-up team over a four-month period to provide a solution which integrated with their existing APIs and aligned with their company vision.
- Responsible for creating and testing a robust back end, including OAuth authentication, user management, and secure integration with the Stripe e-commerce platform.
- Designed the application for deployment flexibility using environment variable configuration with Docker.

**Gearbook (CMPUT 301)** | **Java, Kotlin, Android**

- A mobile app which provides a social community for showcasing your personal book collection and sharing books with other users.
- Created a book-scanning system that captured valid ISBN book codes and automatically retrieved/manipulated book information from the Google books API.
- Managed user account/device data using a Cloud Firebase NoSQL database.

## Personal Projects

**Partyfinder** | **Ruby on Rails, HTML, CSS, PostgreSQL, Git**

- A full stack web-application that allows users to easily find and organize groups of player characters for a popular video game.
- Developed the front-end using HTML/CSS and created the backend RESTful API using Ruby on Rails and PostgreSQL.