

# Hemant Bhanot

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## Education

University of Toronto, Honors Bachelor of Science

Sept 2018 - Dec 2022

- Specialist Computer Science Co-op, Software Engineering Stream, 4<sup>th</sup> Year
- Relevant Coursework: Software Engineering & Design, Operating Systems, Web & Systems Programming
- **Teaching Assistant:** Engineering Large Software Systems (CSCD01)

## Skills

- **Languages:** Java, Ruby, JavaScript, Python, C, SQL
- **Tools/Databases:** Postgres SQL, MySQL, GraphQL, MongoDB, Kafka, Jenkins, Circle CI, Docker, Linux
- **Frameworks:** Ruby on Rails, JavaScript (Express, React, Node, Vue), Python Flask, Java Spring Boot
- **Concepts:** Multithreading, Distributed Systems, CI/CD, Agile (Scrum, Kanban), TDD, APIs (REST, GraphQL)

## Experience

Amazon | **Incoming Software Engineer Intern**

May 2022 - Aug 2022

Shopify | **Backend Developer Intern**

Sep 2021 - Dec 2021

- Collaborated in a small team to design the software architecture of an API utilized by **5+** Shopify Fulfillment Network suppliers in production to move and manage inventory
- Implemented mission critical API endpoints related to inventory management following excellent practices in code reviews, object oriented and test-driven development, utilizing Ruby on Rails, GraphQL and MySQL

Flipp | **Software Engineer Intern**

Jan 2021 - Apr 2021

- Developed a flyer aggregation micro service that gathers **1000+** product details per minute in production utilizing Ruby on Rails, JavaScript, MySQL, Kafka, object oriented and test-driven development
- Presented software architecture to **5+** senior engineers by reverse engineering large distributed systems
- Debugged data aggregation bugs for **5+** retailers in production utilizing AWS and Kafka (distributed systems)

Verto Health | **Full Stack Developer Intern**

Sep 2020 - Dec 2020

- Integrated backend PDF compression API's **saving 20%** of disk space in multiple production servers utilizing Ruby on Rails file systems and Postgres SQL
- Developed and shipped production level code to **10+ hospitals**, implementing various software features related to patient signups, vaccine tracking etc. utilizing Vue JavaScript, Ruby on Rails and Postgres SQL
- Developed national phone number validation by integrating Twilio SMS API within Python Flask backend, now used on every patient sign-up for tracking COVID-19 tests

RBC | **Developer Intern**

Jan 2020 - Apr 2020

- Implemented a chatbot and user authentication for a prototype web application using Python Flask framework and MongoDB, achieving **2<sup>nd</sup> place** at RBC Tech Innovation Challenge
- Developed and maintained production CI/CD pipelines used by **50+ developers**, utilizing object oriented and test-driven development in Java, resulting in **32% increase** in code test coverage

## Projects

**Virtual Queue - ([GitHub](#))**

Technologies: MERN (Mongo DB, Express JS, React, Node JS), Google Cloud, HTML/CSS

- Queue management system, allowing users to join a virtual queue and store owners to manage it

**Virtual Fitness App (Hackathon Winner) - ([Devpost](#), [Demo](#))**

Technologies: HTML/CSS, Node JS, Express JS, API's (IBM, Azure, Google Cloud)

- Developed a video call microservice for a mobile app that aims to bring people closer through fitness