

Hemant Bhanot

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Dev post: [hemant3434](#)

EDUCATION

University of Toronto, Honors Bachelor of Science

Sept 2018 – Apr 2023

- Specialist Computer Science Co-op, Software Engineering Stream, 3rd Year
- Relevant Coursework: Software Engineering & Design, Operating Systems, Web & Systems Programming

SKILLS

- **Languages:** Java, Ruby, JavaScript, Python, SQL, C
- **Tools/Databases:** MongoDB, Neo4j DB, Postgres SQL, MySQL, Kafka, Jenkins, Docker, Linux
- **Frameworks:** Rails, Express, React, Node, jQuery, Vue, Flask, Spring Boot, JUnit, Mockito
- **Concepts:** Multithreading, Distributed Systems, CI/CD, Agile, TDD, UML, MVC, NoSQL, RESTful API's

EXPERIENCE

Flipp | **Software Engineer Intern**

Jan 2021 – Present

- Implemented various Kafka consumers and producers using Ruby on Rails and MySQL in an event driven architecture to provide aggregated flyer content
- Utilized AWS CloudWatch and Ruby on Rails to debug issues across complex microservice applications

UofT Hyperloop | **Software Engineer**

Aug 2020 – Present

- Led a team of 4 to develop a scalable design for all software communications systems across the POD
- Integrated efficient data delivery systems between Arduino's utilizing multithreading and processes in C

Verto Health | **Full Stack Developer Intern**

Sept 2020 – Dec 2020

- Utilized Ruby on Rails and Postgres SQL to integrate backend PDF compression API's **saving 20%** of disk space in multiple production servers
- Developed and debugged various software features related to patient signups, vaccine tracking etc. utilizing Vue JS, Ruby on Rails and Postgres SQL
- Implemented national phone number validation by integrating Twilio SMS API's within Python Flask backend, now used on every patient sign-up for tracking COVID-19 tests

RBC | **Developer Intern (DevOps)**

Jan 2020 – Apr 2020

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

PROJECTS

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

Feb 2021

Technologies: Node JS, Express JS, API's (IBM, Azure, Vonage Video, Google Cloud)

- Developed a video call microservice for a mobile app that aims to bring people closer through exercising. (Won Best Use of Google Cloud at Hack the North 2021)

Virtual Queue - ([GitHub](#), [Deployed Site](#))

May 2020 – Aug 2020

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

- Implemented a queue management system that allows customers to join a virtual queue and store owners/employees to manage it with an easy-to-use intuitive UI