Hemant Bhanot

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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, JavaScript, Python, SQL, Ruby, C
- **Tools/Databases**: Jenkins, Docker, Linux, Git, MongoDB, Neo4j DB, Postgres SQL, JIRA
- **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 Corporation | **Software Engineering Intern** (Incoming) Jan 2021 – Apr 2021

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
- Debugged and fixed critical errors in features utilized by nurses in over **10+ healthcare labs** through excellent problem-solving skills in Vue JS and SQL queries
- 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

UofT Hyperloop | **Software Engineer** Aug 2020 – Present

- Demonstrated excellent communication skills by leading a team of 4 in collaboration with 20+ engineers to develop a scalable design for all software communications systems across the POD
- Integrated light weight communications marshalling (LCM) for efficient data delivery between Arduino's utilizing multithreading in C

RBC | **Developer Intern** *(DevOps)* Jan 2020 – Apr 2020

- Achieved **38% decrease** in code duplication by re-designing software architecture of Jenkins CI pipelines utilizing object-oriented programming and test-driven development in Java
- 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
- Implemented chatbot and user authentication for a prototype web application using Python Flask framework and MongoDB, *achieving **2nd place** at RBC Tech Innovation Challenge*

PROJECTS

Virtual Queue - *(GitHub, Website)* *May 2020* – Aug 2020

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

- 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

Backend Spotify Clone - *(GitHub)* Feb 2020

Technologies: Java, Spring Boot (REST), MongoDB, Neo4j DB, Git, Microservices

- RESTful API for a music application implemented using the microservice architecture in Java that lets users add/delete friends, like/unlike songs in their playlist and follow/unfollow users