Hemant Bhanot

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EDUCATION

University of Toronto, Honors Bachelor of Science   Sept 2018 – Apr 2023
- Specialist Computer Science, 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**: Postgres SQL, MySQL, MongoDB, Neo4j DB, Kafka, Jenkins, Circle CI, Docker, Linux
- **Backend Frameworks**: Ruby on Rails, Python Flask, JavaScript (Node, Express), Java Spring Boot
- **Other**: Multithreading, Distributed Systems, Object Oriented Design, REST, JavaScript (React, Vue)

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

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
- Implementing background server processing using a multi-threading task framework in Ruby on Rails improving file generation times by **over 30%**
- Implemented national phone number validation by integrating Twilio SMS API within Python Flask backend framework, now used on every patient sign-up for tracking COVID-19 tests

RBC | **Developer Intern**   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

UofT Hyperloop | **Software Engineer** (Extracurricular)   Aug 2020 – Present
- Led a team of 4 to develop a scalable software architecture using UML and object-oriented design
- Developed various data delivery systems utilizing multithreading, server-side, and network programming in C

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