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, 3rd Year
- Relevant Coursework: Software Engineering & Design, Operating Systems, Web & Systems Programming

SKILLS

- **Languages**: Java, Ruby, JavaScript, Python, C, HTML/CSS
- **Tools/Databases**: Postgres SQL, MySQL, MongoDB, Neo4j DB, Kafka, Jenkins, Circle CI, Docker, Linux
- **Frameworks**: Ruby on Rails, JavaScript (Express, React, Node, Vue), Python Flask, Java Spring Boot
- **Concepts**: Multithreading, Distributed Systems (Kafka), CI/CD, Agile, Scrum, TDD, UML, MVC, REST, JIRA

EXPERIENCE

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, and Kafka
- Supported **25+** engineers by automating Kafka integration into Ruby on Rails utilizing object-oriented and test-driven development in Ruby
- Presented software architecture to **10+** 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** (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 object oriented and test-driven development 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 concurrency control in C

PROJECTS

Virtual Fitness App (Hackathon Winner) - (Devpost, Demo)   Feb 2021
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

Virtual Queue - (GitHub, Deployed Site)   May 2020 – Aug 2020
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