

GURPREET SINGH

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EDUCATION

University Of Western Ontario

Honors Specialization in Computer Science with a Minor in Software Engineering

London, Ontario

Grad: May 2018

EXPERIENCE

IBM Canada

Infosphere MDM Software Engineer

Markham, Ontario

May 2016 — August 2017

- Designed and implemented frameworks to assist with end to end regression tests, allowing for continuous build deployment, testing, post processing, reporting, and publishing through each release cycle.
- Lead a team of developers to create a microservice management architecture for the delivery platform and converted existing tools to microservices.
- Presented tutorials on how to use new technologies to the team. Held one on one sessions with developers and managers to explain how to use Git, Docker, etc, and how it could benefit their workflow.
- Worked extensively with DevOps tools like Docker, Travis, Jenkins and Git to develop and deploy tooling.

Tutor Hero

Chief Technology Officer

Toronto, Ontario

May 2015 — September 2015

- Created a Kijiji-like web app where tutors can market their services and students can meet verified safe tutors. This brokerage website was developed in Python using the Django framework.
- This role consisted of leading the development of the web-app, recruiting interns, and managing a small development team to meet tight deadlines.
- Tutor Hero grew to 1600 tutors across 17 cities in Canada in six months. www.tutorhero.ca

United Steelworkers (USW)

Information Technology Intern

Toronto, Ontario

May 2015 — September 2015

- Developed websites for political representatives.
- Created java applications to automate office tasks.
- Presented weekly analytical reviews of online content.

UWO Computer Science Tutoring

Programming Tutor

London, Ontario

June 2013 — September 2014

- Tutoring university students in the subject of Computer Science while still in high school.
- Arranging sessions with students and answering challenging programming problems.

PROJECTS

ARK Blockchain IoT *Blockchain, Javascript, Kotlin, Hardware* <https://github.com/ArkEcosystem>

Open-source architecture connecting IoT devices to the blockchain using on-chain data storage and a custom designed protocol.

Cloud Drive C, *Valgrind, Redis, TCP/UDP*

<https://github.com/Guppster/Drive>

Cloud drive networking implementation written in C using Redis. Functions like Dropbox.

Microservices-Core *Rust, Go, Kotlin, C, Java*

<https://github.com/Guppster/MicroservicesStack>

A central microservice management framework that enables microservice deployment, registration, querying and execution.

HackingCancer *Java, Swing*

<https://github.com/Guppster/HackingCancer>

Game design project utilizing the power of crowdsourcing to improve cancer research. Winner of HackWestern

SKILLS

Programming Languages: Java 8, C, C#, JS, Ruby, Lua, Go, Rust, Kotlin, Perl, Assembly
DevOps Tools: Git, Jenkins, Travis, Docker, Gradle, Maven, Bluemix