

Farhan Hossein

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SUMMARY

A skilled software developer with expertise in web development (React and Node.js) as well as in cloud deployments and embedded systems, gained through significant co-op and professional experience in well-known companies.

EXPERIENCE

Software Development Intern, Ford Motor Company

Waterloo, Ontario

May 2024 – August 2024

- Developed and improved on Amazon Alexa features implemented within Ford's infotainment systems on the Android Open Source Project.
- Conducted troubleshooting and analysis work

Software Developer, General Motors

Markham, Ontario

May 2023 – April 2024

- Developed network features for GM's infotainment systems, enhancing user experience and connectivity.
- Created flowcharts to simplify understanding of internal network stack code libraries within embedded operating systems (QNX, Android Open Source Project).
- Designed a web application using Node.js and React to process vehicle telemetry data and generate customized charts.

Software Development Intern, General Motors

Markham, Ontario

May 2022 – December 2022

- Developed network features for GM's infotainment systems, enhancing user experience and connectivity.
- Gained experience with vehicle diagnostic protocols and products (OBDII, Neo-Fire, Vehicle Spy).
- Developed a gamified safe driving app during a GM Hackathon to promote safe driving habits.
- Utilized PyTorch and machine learning on a GPU server for predictive analysis of software defects.

Site Reliability Engineer, Desire 2 Learn

Kitchener, Ontario

January 2022 – April 2022

- Contributed to the development and maintenance of D2L's internal monitoring systems.
- Researched and build a status page from scratch using React and other web technologies that leverage AWS services.

Product Specialist, Cloud Delivery, OpenText Corporation

Waterloo, Ontario

March 2016 – June 2018

- Maintain internally hosted enterprise applications to ensure reliability and optimal performance.
- Collaborated with consulting, support, and engineering teams to resolve operational issues.
- Developed scripts to monitor and maintain enterprise application components.

Technical Analyst, OpenText Corporation

Waterloo, Ontario

July 2014 – March 2016

- Served as the first point of contact for technical inquiries regarding the Media Management product and its integration.
- Contributed to the product knowledge base and collaborated on cross-team issues to resolve software defects and implement feature requests.

Technical Support Representative / Software Tester, NeoTerra Systems

Orangeville, Ontario

December 2013 – June 2014

- Provided remote support for existing systems and new deployments.
- Participated in new product development testing.
- Maintained the company website and improved its version tracking features.

Wireless Network Technician, Megawire Inc

Breslau, Ontario

May 2013 – December 2013

- Deployed wireless network infrastructure to expand coverage and improve redundancy.
- Configured high-frequency transceivers and network switches/routers as required.

Bluetooth Compliance Associate, BlackBerry

Waterloo, Ontario

May 2010 – August 2011

- Bluetooth compliance testing was conducted to maintain the quality and standards of the implementation.
- Automated test case execution and log collection by developing custom scripts to increase efficiency and accuracy.

EDUCATION

University of Waterloo

Master of Engineering - Computer and Electrical Engineering

Expected April 2025

McMaster University

Bachelor of Technology - Software Engineering Technology (Co-op)

Graduated 2023

Conestoga College

Advanced Diploma - Electronics Engineering Technology (Co-op)

Graduated 2012

SKILLS

- **Web Development:** React, Django, Node.js
- **Cloud Deployment:** Amazon AWS, Microsoft Azure
- **Embedded Systems:** Android Open Source Project, QNX, Arduino
- **Wireless Technologies:** Bluetooth, Wi-Fi, and Mobile
- **Software Development:** Java, Python, C++, JavaScript, SQL