

Fardeen Rahman

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EDUCATION

McMaster University
BASc, Computer Science CO-OP

Hamilton, ON
SEP 2020 – APR 2024

SKILLS

Programming Languages: Python, Java, C#, VB.NET, Ruby, C, C++
CMD/DB Skills: Unix, Git, MySQL, MongoDB
Programming Frameworks: React.js, Node.js, Express.js, jQuery, Unity
Other: Independent Work, Collaboration, Communication, Leadership

RELEVANT EXPERIENCE

AWS (Amazon)

Vancouver, BC

Software Development Engineer Intern (AuroraDB) (**Java, Ruby**)

SEP 2025 - NOV 2025

- Fixed and upgraded an erroneous implementation of **rolling back** maintenance software on a **distributed database system** by using the **DynamoDB API**, removing the need for manual rollback in the event of an issue
- **Parallelized** smoke tests on the **production pipeline** using multi-workflow **deployment groups**, bypassing the out-of-memory issue and **decreasing test fixture execution time**
- Upgraded system used to create **Amazon Machine Images (AMIs)**, ensuring **version sets** released by a separate sub-team were incorporated, eliminating the need for manual version updating

SOTI

Mississauga, ON

Fullstack Developer Intern (Technical Debt Reduction & Android) (**C#, C++, PowerShell, AngularJS, NuGet**)

SEP 2024 - AUG 2025

- Automated autodiscovery and execution of **integration tests**, removing the need for manual input before runtime (also upgraded from **nunit-console3 to .NET**)
- Created tools to automatically update **NuGet** versions upon **Artifactory** updates, as well as update versions in corresponding dependencies
- Upgraded the **dependency injection** implementation of existing software to prepare for migration to .NET 8, contributing to the **conversion of a monolith to microservice architecture**
- Created a tool to automatically discover faulty unit and integration test **DLLs** through the detection of faulty **XML** reports

TheSilkRoad (TAC)

Mississauga, ON

Full-Stack Developer Intern (**Node.js, JavaScript, HTML, CSS, Python, SonarQube**)

FEB 2024 – APR 2024

- Developed an **open-source application** to securely **store and encrypt sensitive client data** for an online marketplace
- Implementing numerous **front-end technologies** to create an interactive **UI** for users, applying **back-end languages** and **APIs** to manipulate and encrypt critical data, and applying **SonarQube** to **analyze code quality** and **software performance**
- Created **unit tests** and **integration tests** to ensure system success in multiple predicted scenarios

Varsity Tutors

Detroit, MI (Remote)

Software Development Tutor (**Java, C#, Python, VB.NET, MySQL**)

FEB 2022 – JUN 2022

- Specializing in teaching clients who require assistance in **practical programming**, leading them through concepts such as **algorithm implementation**, debugging, etc.
- Taught the software developers of a US Company how to upgrade their old software to a modern version, teaching **front-end programming**, **back-end programming**, and **database use**

Bridging Borders

Hamilton, ON

Software Development Teaching Assistant (**Python**)

NOV 2021 – JAN 2022

- Taught students programming and software development skills such as **object-oriented programming**, **file I/O**, GitHub collaboration, etc.
- Explained complex programming topics analogically through frequent programming and **software testing** exercises

PROJECTS

Rinvest

Investment Platform (**React.js**)

JAN 2023

- Developed the **front-end** of a web application for the purpose of connecting angel investors to entrepreneurs for the Delta Hacks 9 RBC Challenge by implementing the **React.js** framework
- **Conferred** with developers consistently within a constrained time limit to discuss progress updates and future modifications

TEMO Sunrooms Client Control

Corporate Software (**C#, MySQL**)

MAR 2022

- Developed a **full-stack** application that connects to a **database** to manage clients via a **UI**
- Implemented **sorting** algorithms to neatly organize, as well as retrieve data, to optimize user productivity
- **Documented** changes neatly as the program was developed