

SOBAN FARHAN

Software Engineer

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TECHINICAL SKILLS

- **Proficient:** C#, Python, .NET Core, Django, Flask, Docker, T-SQL, NoSQL, GIT, Jira, Agile, SCRUM
- **Familiar:** JavaScript, TypeScript, React, NodeJS, Salesforce, JWT, CI/CD, AWS

PROFESSIONAL EXPERIENCE

Software Developer

May 2021 – June 2023

Re:Sound Music Licensing

Toronto, Ontario

- Participated in the transition of the former **.NET WPF** application, **OPUS** to **Re:Think** A cloud-based solution built using **Salesforce**. This involved working closely with cross-functional teams to ensure **seamless** integration.
- Led a three-part testing sync for **E10** an in-house REST API built using **C#** and **.NET Core**. The scope consisted of creating **50,000** users and **300,000** invoices to identify a slow response time within the old structure.
- Assisted in the performance improvement of **E10** by removing the heavy use of **ORM** and alternating the use of **stored procedures**. This resulted in an average of **8-9s** requests to be completed within **3-5s**, this is roughly a **40%** reduction in request processing time.
- Contributed to integrating **Re:Think** and **E10** data migration for **ALLIANT**. This was a way to allow for more of a streamlined process, effectively resulting in a **30% - 40%** reduction in manual efforts.
- Implemented various functions in **ALLIANT** to process large **CSV** files containing data. Utilized **pandas** to read files, analysis, process, and split the data into smaller batches. These functions significantly improved the processing time and resource usage required for handling large data sets.
- Collaborated with seniors on the **backlogs** of tickets to help discuss and implement further changes to **Re:Think** and **E10** to help the software expand with new features and requirements.
- Participated in pull request **code reviews** to fix and suggest alternative solutions for the given scope. This has been a huge **steppingstone** in my journey as a developer to enhance my technical knowledge.
- Provided support to users during the **transition** to the new platform by **organizing** workshops, presentations, and a few security training modules to ensure smooth onboarding and best practices.
- Implemented **GitHub** Actions to streamline **CI/CD** workflows. This optimization refined the build, test, and deployment processes across multiple projects.

Artificial Intelligence Research Assistant

January 2019 – August 2020

Durham College

Oshawa, Ontario

- Developed regression models using technologies such as **Keras**, **Neural Networks**, and **Random Forest**.
- Helped build Restful API using **Flask** and **Django** to allow communication with the regression models.
- Acquired knowledge of conventional **educational data mining** practices through Python and machine learning libraries (**pandas**, **scikit-learn**, etc.).
- Designed a **10-layer neural network** with **dropout layers** and different activation functions using **Keras**.
- Optimized **hyper-parameters** for multiple model architectures to improve performance.
- Assisted new research assistants in getting started with machine learning concepts and guided them as needed.
- Contributed to redesigning a client's existing website using **C#**, **.NET**, and **MySQL**, enabling entrepreneurs to enroll in coaching courses.
- Attended daily **SCRUM** and distribution meetings with colleagues to stay updated on bug fixes and feature requests. Also, make myself available to aid team whenever necessary.

EDUCATION

Computer Programming and Analysis

September 2017 – April 2020

Durham College, School of Business, IT & Management (BITM)

Oshawa, Ontario

- Earned Honor Roll throughout the 3 years with higher than 4.0 out of 5.0 GPA.