

# SOBAN FARHAN

## Software Developer

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### TECHNOLOGY STACK

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

### PROFESSIONAL EXPERIENCE

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#### Software Developer

May 2021 – June 2023

*Re:Sound Music Licensing*

*Toronto, Ontario*

- Facilitated the successful migration of the legacy **.NET WPF** application, to **Re:Think**, a cloud-based solution. During the migration, I **collaborated** with our internal and external teams to ensure a smooth transition while achieving enhanced efficiency and improved user experience.
- Helped provide support by organizing workshops, creating presentations, and finding valuable training modules for **Salesforce** workspace, phishing emails, password standards, etc. for a smooth and secure adoption to the future of Re:Sound with a new system.
- Improved **E10** an in-house **REST API** built with **C#** and **.NET** performance by executing a comprehensive three-phase testing sync. The syncs consisted of generating **50,000** user profiles and **300,000** invoices to address slow response times, optimizing **memory allocation**, and enhancing user experience.
- Expedited **E10's** performance changes by replacing heavy **ORM** usage with the stored procedures approach. The stored procedure changes caused an average of **10-15s** requests, to now be completed within **3-5s**. This has been a staggering **300%** reduction in overall processing time.
- Played a **pivotal role** in our new application named **something\_funky**, which consisted of finding discrepancies in data between in-house **ALLIANT** and **Crescendo** databases. The solution was built using **Python** to help with manual review and effectively reduce manual efforts by **30% - 40%** by finding discrepancies patterns.
- Optimized **something\_funky** data handling by creating functions that efficiently processed large CSV files. Leveraging pandas, I read, analyzed, patched, and partitioned the data into smaller sets to optimize **resource consumption** when managing large sets of data.
- Expanded **something\_funky** architect by implementing **CI/CD** pipeline. This initiative was to expedite newer builds and **unit-testing** to an ever-expanding list of feature requests alongside performance optimization.

#### Artificial Intelligence Research Assistant

January 2019 – August 2020

*Durham College*

*Oshawa, Ontario*

- Used my knowledge and understanding of **Python**, **Flask**, and **Docker** to create and maintain a **REST API**. The project concluded with a setup to allow communication between the **CargoUP** (API), and prototype **regression models** used to predict future pricing for shipping commodities through freight.
- Ensured data quality by cleaning, normalizing, optimizing, and storing data in **MongoDB** cluster to keep records of historical and future entries. Leveraged libraries like **pandas** and **scikit-learn**, to further enhance data quality and efficiency, for **ML** models to be trained and tested.
- Created various models ranging from classifier, logistic, neural network, etc., and afterward optimized model performance by tweaking **hyper-parameters**. This showcased my ability to adapt to different **ML** concepts and analytical skills, leading to innovative solutions.
- Participated in daily **SCRUM** meetings while **mentoring** new researchers, highlighting my collaborative abilities and potential for **leadership**. These meetings were crucial to transferring knowledge among team members and keeping multiple project roadmaps up-to-date due to average 3-month **MVP** deliverables deadlines.

### EDUCATION

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#### Computer Programming and Analysis (3-year)

September 2017 – April 2020

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

*Oshawa, Ontario*

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