

SOBAN FARHAN

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TECHNOLOGY STACK & SKILLS

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|--------------|---------------------------|-------------------------|
| • C# | • .NET Services Framework | • SQL Server |
| • JavaScript | • Node.js & React | • TypeScript |
| • Python | • Django & Flask | • Heroku |
| • PostgreSQL | • Project Management | • Version Control Tools |

PROFESSIONAL EXPERIENCE

ReSound Music Licensing, Toronto, ON

Programmer Analyst

May 2021 – Present

Oversee our existing systems named OPUS and EPICOR. OPUS is a windows client-server application and EPICOR is an API used by our other divisions for the vendor, invoice, and payment-related tasks. Achievement Highlights:

- Utilize **stored procedure** and **multithreading** approach to improve existing API's (EPICOR) performance. Compared to the old system, the request processing time are faster on average by **40%**.
- Led our three-part testing sync, with the creation of **50,000** users and **300,000** invoices rows of mock data. Used the results to improve, identify and fix any bugs caught during runtime.
- Participate in **pull request** code reviews and use the provided feedback to find and implement alternative approaches to the giving issue. Used these as **learning opportunities** to expand my horizon on how to approach certain issues in the future.
- Attend daily **SCRUM** and distribution meetings with the team to gather others' work progress and be available to jump-in and help where necessary.
- Work closely with seniors and other divisions to **gather requirements** for new feature requests.
- Participated in creating **CI/CD pipeline** to automate testing for new system's features.
- Manage daily tickets to provide reporters with progress on bug fixes.

Environment: C#, .NET, SQL Server, Python, Flask, Django, Jira, Bitbucket

Durham College – AI Hub, Oshawa, ON

Research Assistant

January 2019 – August 2020

Led projects which were in collaboration with client companies (no names due to NDA) that were looking to add AI and machine learning to their software suites to help decision-making. Achievement Highlights:

- Created machine learning **regression models** by using technologies such as Keras, Neural Network, and Random Forrest to help recommend monthly ocean freight rates.
- Utilized Flask/Django and created **a RESTful API** to allow communication along the regression models.
- Used Python and a few machine learning libraries (pandas, scikit-learn, etc.) to learn more about conventional ways of educational **data mining**.
- Utilized Keras to design a 10-layer neural network, with dropout layers and different activation.
- Optimized **hyper-parameters** for different model architectures to improve the model's performance.
- **Mentored** new first-year research assistants and helped them get started with machine learning concepts.
- Redesigned the client's existing website using **C#, .NET Framework** and **MySQL** where entrepreneurs could enroll in various coaching courses.

Environment: C#, .NET, SQL Server, Python, Django, Machine Learning, PostgreSQL, Heroku, AWS