

Skills

- Java, Python, C#, C, JavaScript, SQL, MySQL, Node, Angular, Express, React, jQuery, JSON, Firestore.
- Django, Hadoop, AWS EMR, PostgreSQL, Pandas, Spark, Hive, GIT, PowerShell, .NET Core, Jest, testCafe.

Work Experience

S&P Global, Toronto, ON

SEP. 2022 – PRESENT

Software Engineer

- Developing features for web apps using JavaScript, Node, React, and SQL.
- Worked on key features for Fund Finder, a JavaScript React application made for analyzing mutual and exchange funds.
- Created a tool for comparing, shortlisting, and trading funds to improve UI/UX, increasing user impressions by 100K.
- Replaced .NET Web API with JavaScript REST API, improving versatility, scalability, and accessibility for consumers.
- Built automated testing suite using testCafe to evaluate functionality using real browsers, reducing testing hours by 35%.

Trexity, Ottawa, ON

JULY 2021 – AUG. 2022

Software Engineer

- Developed features for web and mobile apps using JavaScript, Node, React, Firestore and PostgreSQL.
- Implemented private and public REST APIs, improving capability and accessibility for merchant integrations.
- Wrote unit, system and integration tests for new features built using Jest, improving overall system resiliency.
- Improved dashboard to track driver location, increasing delivery quality and accuracy from 80% to 93%.
- Created system to display routes based on driver's vehicle specifications, allowing support and drivers to determine if driver's vehicle can handle delivery volume of route, reducing large volume renounces by 80%.

Parker-Hannifin, Milton, ON

MAY 2019 – JUNE 2021

Software Developer

- Created and maintained scalable web applications using ASP.NET, C#, SQL, JavaScript and Angular.
- Developed support chatbot to support over 1000 vendors, reducing email inquiries by 75%.
- Automated manual data entry forms resulting in over 50 hours of work saved and increased accessibility.
- Implemented warehouse management system that saved over \$5,000 and 100 hours of manual labour.
- Outlined and corrected points of inefficiency related to supply chain during quarterly Kaizen events, saving over \$110,000 and 1000 hours of labour annually.

Amazon, Milton, ON

MAY 2018 – AUG. 2018

Application Developer

- Created and maintained programs using VBA, increasing productivity and accountability in fulfilment centres.
- Streamlined order tracking and shipment process flows by automating various metrics taken manually.
- Created program that finds smaller misplaced products in larger bins, saving over \$1000 monthly.
- Created automation that keeps track of unfulfilled orders, reducing backlog and mandatory overtime by 60%.

Volunteer Experience

Royal Canadian Air Cadets

SEP. 2010 – SEP. 2016

- Coordinated and organized Field Training Exercises (FTX)
- Created exercises and training modules specific for each cadet level and understanding.
- Taught aviation classes to junior cadets and organized glider trips to apply lessons.

Projects

FirefliesbyLaboni – See More: <https://bit.ly/3gJL7iE>

- Ecommerce web application where users could buy products featured by the vendor online.
- Designed algorithm that recommends new items to users based on previous purchases.
- Implemented using Python, Django, Bootstrap, and MySQL.

Film Finder – See More: <https://bit.ly/3zwM9XT>

- Console application that makes rating predictions and recommends movies to the user.
- Designed collaborative filtering algorithm to find movies based on user's preference and movie's ratings.
- Implemented using Python, Pandas API and SciKit-Learn API.

Education

Wilfrid Laurier University, Waterloo, ON

SEP. 2016 – APR. 2021

- Bachelor of Computer Science, Coop (Professional Experience Program)