

Muhammad Sajjad Salman

SOFTWARE DEVELOPER

☎ (+1) 647-571-1110 | ✉ sajjadsalman01@gmail.com | 📱 sajjadsalman | 🌐 sajjadsalman01

Skills

Languages	Python, HTML/CSS, JavaScript, Kotlin, Ruby, Java, PHP, SQL, TypeScript, Swift, C/C++, C#, XML
Frameworks	ASP.net, React, Angular, Vue.js, Flask, Node.js, Django, Ruby on Rails, Spring Boot, Laravel, Sequelize, SQLAlchemy, Apache
Tools/Services	AWS, Kubernetes, Git, Docker, PostgreSQL, Jenkins, Azure, Firebase, MySQL, Heroku, NPM, Postman, Jira, Bash

Work Experience

Home Trust Company

Toronto, Ontario

FULL-STACK DEVELOPER

Jan 2021 – Jul 2022

- Developed Dynamic Forms in **Django Python**, optimizing data collection, increasing efficiency by **40%** and enhancing user experience
- Implemented responsive and interactive user interfaces using **Angular, HTML, CSS, and JavaScript**, leading to a **40%** reduction in bounce rate
- Designed and built **RESTful** services using **ASP.NET** Web API to provide data to the Angular front-end, enabling **20%** faster page load time
- Managed and optimized **SQL Server** and **Entity Framework**, achieving a **20%** query performance boost
- Enhanced database performance using advanced technologies like **PostgreSQL** and **MongoDB**, resulting in a **30%** reduction in query time

Vidyard

Kitchener, Ontario

FULL-STACK DEVELOPER

Jan 2019 – Apr 2019

- Played an integral role in the advancement of Vidyard's cutting-edge video analytics platform, catering to a diverse user base of **12.5 million**, by architecting, developing, and optimizing critical features
- Contributed to the creation of a robust **RESTful API** layer using **Python** and **Flask**, allowing seamless integration of video analytics data into client applications. This enhanced data accessibility and resulted in a **40%** increase in third-party integrations
- Employed machine learning techniques, including **natural language processing**, to develop a sentiment analysis module that evaluated viewer comments and feedback and this yielded insights for content creators, and improved overall user satisfaction by **60%**
- Initiated the adoption of containerization using **Docker** and **Kubernetes** for Vidyard's microservices architecture, leading to a **35%** reduction in deployment time and ensuring seamless scalability to support daily **API** requests

Economical Insurance

Kitchener, Ontario

BACK-END DEVELOPER

May 2018 – Aug 2018

- Developed and maintained a high-traffic e-commerce website using **ASP.NET MVC** and **Angular**, resulting in a **30%** increase in user engagement
- Contributed to the development of an internal insurance management system using **Node.js** and **React**, enabling efficient policy handling, claims processing, and client interactions, ultimately optimizing operations and enhancing customer service within the insurance firm
- Implemented responsive design principles, resulting in a **20%** increase in user engagement and a **15%** decrease in bounce rates, leading to improved user satisfaction and retention
- Resolved **70%** of backlogged tickets regarding complex problems in both **Angular** and **ASP.NET**, enhancing application stability and reducing bug reports by **80%** in **4** months

Port

Kitchener, Ontario

IOS DEVELOPER

May 2017 – Aug 2017

- Enhanced engagement by integrating push notifications via Apple's **APNs framework**, yielding a **30%** increase in interactions
- Employed Core Animation alongside dynamic **UIKit Dynamics**, achieving a **20%** rise in interaction rates
- Directed the migration of the app's codebase to **Swift**, resulting in a **15%** reduction in crashes and improved maintainability
- Strategically conducted A/B tests with **Firebase**, leading to a **10%** boost in ride-booking conversion rates and revenue growth
- Collaborated closely with UX to refine the app's navigation, reducing user drop-offs by **25%** during booking process

Projects

Electic - PC customization app

PYTHON, JAVASCRIPT, DJANGO, BOOTSTRAP, GCP

May 2023 - Present

- Developed an e-commerce app with user account creation and secure checkout which allows users to buy PCs with customized components

ULearn - Learning Management System

HTML, CSS, JAVASCRIPT, SQL, PHP, BOOTSTRAP

March 2023 - Present

- Engineered a comprehensive online Learning Management System (LMS) using **HTML, CSS** and **Javascript**, enabling seamless course creation using **PHP** parser to convert **EML** to **HTML**, student enrollment, and assessment management. **PHP** and **SQL** were used for server management

Education

University of Waterloo

Waterloo, ON

BACHELOR OF COMPUTER SCIENCE

Sep 2016 - Apr 2023

Top Courses: Algorithms, Human-Computer Interaction, Data Structures, Operating Systems

Awards: President's Scholarship of Distinction