

# Aikamdeep Malhotra

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## Education

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### Bachelor of Software Engineering

September 2019-April 2023

University of Western Ontario, London ON

- Dean's Honor (**GPA: 3.7/4.0**)

## Work Experience

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### Full-Stack Developer

Equestrian Show Manager, Remote

May 2021-April 2023

- Developed new features and proposed creative solutions for the company's show management software with an experienced team using **Scrum Agile Methodology** to rapidly iterate
- Integrated Rails Internationalization (**I18n**) API for interpolation and created custom localizations to build application in English and French; initial release increased gross revenue by over **20%**
- Contributed to the optimization of the database performance, resulting in a **30%** improvement in application efficiency
- **Language/Tools: Ruby on Rails, PostgreSQL, React & Heroku**

### Software Engineering Intern

Dillon Consulting Ltd., London ON

May 2022-August 2022

- Applied **UML Methodologies** to design **Use Case, Activity and ER Diagrams** to model requirements discussed with a Partner for a newly proposed acquisitions/merger managing tool
- Developed **2** different internal applications using the **MVC** architecture and Microsoft's **Entity Framework**
- **Language/Tools: ASP.NET, C#, JavaScript & SQL Server**

## Skills

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- **Languages:** JavaScript, TypeScript, Ruby, Java & C#
- **Web Frameworks & Libraries:** Ruby on Rails, .NET Framework, React, React Native & Express
- **Databases:** PostgreSQL, MySQL, SQL Server & MongoDB
- **Tools:** AWS, S3, Lambda, Cognito, Heroku, Firebase, Git, SVN, Figma & Canvas
- Strong Knowledge & Command of **Object-Oriented Methodologies, UML Diagrams & Software Design Patterns**

## Projects

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### Capstone Project – Social Media Platform for Students

September 2022-April 2021

- Led the development of a university-focused social media platform utilizing **TypeScript, React Native, GraphQL**, and **AWS technologies**, resulting in a scalable, secure, and user-friendly application
- Integrated popular social media **APIs** (Reddit/Twitter), providing students with up-to-date news and trends on a single platform
- Collaborated with a team of developers using **agile methodology**, ensuring efficient delivery and seamless implementation of features, while ensuring high code quality and adherence to industry best practices

### Sorting Algorithms Mobile Application

December 2021-April 2022

- Designed wireframes using **Figma** to create an engaging and user-friendly game that teaches players about various sorting algorithms and how to implement them
- Conducted user testing to gather feedback to iteratively improve the game's design and user experience
- Developed application using various **React Libraries** and **Expo** to ensure compatibility for **iOS** and **Android**