

# MEHTAB SINGH

Software Developer

☎ 587-973-0277 ✉ [mehtabcal@gmail.com](mailto:mehtabcal@gmail.com) in [linkedin](#) 📄 [github](#)

## PROFESSIONAL EXPERIENCE

### Junior Full-Stack Developer

Sep. 2023 - Apr. 2024

Coreo Carpooling

Calgary, AB

- Led the end-to-end design of a pivotal web application for an upcoming carpooling company, starting with wireframes and prototypes using Figma, and implementing UI/UX principles to ensure an intuitive user experience.
- Spearheaded the development of a state-driven user interfaces using React.js, HTML, CSS, and JavaScript, integrating RESTful APIs to enhance functionality, achieving an 85% improvement in page load times.
- Designed and developed a secure SQL Server database, ensuring robust data management and connectivity, while deploying the fully functional application on Firebase for seamless user access.
- Optimized application performance by applying efficient and complexity reduction methods, and deployed the fully functional application on Firebase, ensuring seamless connectivity with a secure SQL Server database.
- Implemented robust security measures - SQL injection prevention, Cross-Site Scripting (XSS) mitigation, and HTTPS encryption, following OWASP guidelines, significantly enhancing data security and user trust.
- Implemented CI/CD pipelines using GitLab to automate testing, building, and deployment processes, optimizing project delivery timelines, reducing deployment times by 50%, and enhancing overall development efficiency.
- Collaborated with the team in a GitLab environment to manage version control and integration, optimizing project delivery timelines and boosting productivity, resulting in the successful establishment of partnerships with 11 corporate companies in Calgary.

## EDUCATION

### Southern Alberta Institute of Technology (SAIT)

Awarded May 2024

Diploma in Information Technology - Software Development

GPA - 3.16/4

## PROJECTS

### Travelless | Blazor Hybrid, .NET MAUI, C#, HTML, XAML, SQL Server

December 2023

- Spearheaded the development of a flight reservation system using C# .NET, Blazor Hybrid, XAML, and HTML.
- Designed the software architecture using Software Ideas Modeller (SIM) to establish a structured framework.
- Applied object-oriented design in C#, working in a .NET framework and integrated seamlessly with SQL Server
- Optimized performance by implementing efficient data serialization and deserialization techniques, enhancing data transfer efficiency and application responsiveness.

### Professional Photography Website | HTML, CSS, Javascript, Bootstrap

October 2023

- Developed mockups and wireframes using Figma, ensuring alignment with project requirements.
- Implemented a visually captivating portfolio website using React.js, JavaScript, HTML, and CSS.
- Deployed the website to a global CDN using Firebase, ensuring optimal performance across all operating systems.
- Achieved significant user engagement with almost 3000 clicks within the first month via social media promotion.

## SKILLS

- **Languages & Databases** : C#, Java, Python, MySQL, SQL Server, Firebase, HTML, Javascript
- **Technologies** : Oracle, Angular, Informatica, Github, Jira, PowerBi, MS Office, Docker, Visual Studio
- **Frameworks & Libraries** : .NET, Blazor, Django, React, Vue.js, ASP.NET Core

## RELEVANT COURSEWORK

- Data Structures
- Algorithms Analysis
- Software Security
- Systems Programming
- Web Development
- User Experience
- Software Design
- Database Management