

Harlan Jazz Ferguson

MICROSOFT DYNAMICS 365 DEVELOPER

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Relevant Work Experience

Dynamics Developer and QA Tester - Contract, RapidCents, Toronto, ON, 07/2024

- Wrote custom plugins for Dynamics365 in **C#** to integrate payment platform with Microsoft Dynamics Ecosystem. Incorporated custom web resources to display user interface for the plugins using **HTML5** and **CSS**.
- Responsible for thorough testing and quality insurance of other team member's software to ensure a strict adherence to software reliability and security.

Software Developer, George Brown College, Research & Innovation Dept., Toronto, ON, 01/2024-03/2024

- Led the development of a mobile application for an industry partner, enhancing process efficiency by 30% by consolidating multiple systems into one solution.
- Engineered using a **JavaScript**-based tech stack: **React-Native** for mobile development; **Node.js**, and **Express.js** for backend services, with **SQLite** and **HTMX** for database management and dynamic web applications. Managed project using **Jira** and **GitHub**.

Projects

Note Taking App (Power Apps, Power Automate, Dataverse, C#, JavaScript)

- Developed a canvas app enabling efficient notetaking for employees on remote sites. Integrated with Dataverse for data storage and used Power Automate to automate reminders for incomplete entries. Wrote custom C# APIs to implement complex business logic and leveraged **Power Platform CLI** for custom components, including a personalized list of users. Demonstrated advanced skills in Power Platform and backend development.

Online Item Bidding Website (C#, ASP.NET, Azure, HTML5, CSS)

- Developed a peer-to-peer auction site using ASP.NET and deployed to Azure. Implemented real-time bidding and automated email notifications for auction results. Applied **MVC** design principles and **OOP** practices for robust application development.

Sports-Themed Instagram Clone (React.js, Mongo, Express.js, Node.js, Auth0, Firebase, Socket.io)

- Led a team to develop a platform that utilized JavaScript-based tech stack (MERN) and **REST APIs** to perform GET/POST/PUT/DELETE calls on our database. My key tasks included building the frontend with React.js, **HTML5**, and **CSS**, implementing API routes for user posts, configuring Socket.io for live chat, configuring **session storage** to store site customization, creating a friendship service, and ensuring backend logic for user data privacy/security. Used **Jira** for project management and **git/GitHub** for version control and collaboration. This project highlights my skills in web development, API integration, and project management, from conception to deployment.

Certifications and Education

Power Platform Developer Associate (PL-400), Microsoft Certified, 07/2024

Power Platform Fundamentals (PL-900), Microsoft Certified, 06/2024

Advanced Diploma: Computer Programming and Analysis, George Brown College, 04/2024

- Graduated with Honours
- Co-founder and VP of GBC Computer Science Club

Scrum Fundamentals Certified, SCRUMstudy, 01/2023

Advanced Diploma: Business Administration, George Brown College, 04/2020