CHRIS BROWN

chris_brown_1000@hotmail.com | 780-938-9528 | linkedin.com/in/chrisbrown1000 | github.com/chrisbrown-01

SKILLS

- C# | .NET | ASP.NET Core | HTTP, REST API | MVC | Razor | Blazor | SignalR | XAML (WPF) | GraphQL
- C++ | SQL | NoSQL | Git | Python | Bash | Javascript | YAML | Backend | Frontend | Full-Stack
- Azure | Docker | Agile | Unit Testing | DevOps | Systems Design | Microservices | Message Queues | Kali Linux

EXPERIENCE

Software Specialist   *Gerdau North America — Cambridge, ON*   June 2021 — Aug 2024

- Spearheaded the adoption of Microsoft Power Automate and Power BI to automate daily computer tasks, increasing efficiency within a team of 4 people and assisting the company grow YoY revenue for 2 consecutive years
- Produced macros and VB scripts for reliable SAP and Excel data processing, saving 10 hours of work per week and reducing common spreadsheet and ERP administrative errors

Software Developer   *EXO Insights — Waterloo, ON*   Aug 2020 — June 2021

- Led the design, programming, and testing of a device that measures machine vibrations with Python, Bluetooth, C#, and C++, achieving +/- 5% accuracy tolerances in accordance with ISO standards
- Managed and delivered project with material costs 30% below allocated budget and ahead of schedule by 2 weeks
- Conducted weekly presentations to provide project updates to stakeholders, demonstrating the functionality of the device and communicating detailed technical documentation to the client

PROJECTS

AutoJobSearch — *A cross-platform desktop application that automates your job search.*   bit.ly/424FHGx

- Independently built and released an open-source program that automatically downloads job listings from Google Job Search and Indeed, reducing job search durations by 25% and eliminating duplicate listings
- Implemented a scoring system that analyzes job descriptions for user-defined keywords and sentiments, simplifying the process of finding high-relevance jobs that align with the user's specifications
- Enhanced user experience by building an Avalonia user interface that enables sorting, searching, filtering, tracking, and saving of job listings, with reliable data persistence achieved using a SQLite database and Dapper

Betting Odds Cloud App — *A cloud-hosted web app for sports betting calculations.*   bit.ly/47w2xYH

- Created an ASP.NET Core Razor Pages web app for calculating sports bet winnings and payout amounts, providing an easy-to-use platform while maintaining browser response times of generally less than 50ms
- Hosted on Azure App Service and utilizes an Azure Function to retrieve MMA betting odds and bookmakers via REST API, ensuring that information is updated hourly
- Improved application workflow by establishing a CI/CD pipeline for automated builds/tests/deployments using GitHub Actions, Azure Deployment Center, CodeQL, xUnit, and Playwright

PokemonDB — *A website for searching Pokemon, comparing stats, and performing advanced queries.*   bit.ly/48JLrYg

- Developed a React frontend and ASP.NET Core Web API backend which retrieves data from containers including Microsoft SQL Server, MongoDB, and Redis, using Docker Compose for container orchestration
- Ensured software quality by incorporating health checks, custom exception handling middleware, logging, and writing unit/middleware/integration tests with 90% source code coverage

EDUCATION

Bachelor of Engineering (Honours)   *University of Ontario Institute of Technology*   Sept 2014 — April 2019

- Electrical and Electronics Engineering — GPA 4.0/4.3