

# JOHN MACFADYEN

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## EXPERIENCE

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### **Tegrit**

*Software Engineer*

Livonia, MI

December 2021 - Present

- Utilized coding expertise to develop and customize the edro retirement workflow, enhancing user experience and reducing processing time by 50%.
- Developed and implemented a Batch Calculator tool, empowering users to efficiently upload and create multiple accounts simultaneously using CSV files, eliminating the need for manual data entry. Increasing productivity by 65%
- Designed and implemented a user-friendly Benefit Calculator, providing employees with the ability to effortlessly visualize and compare monthly benefits based on different Benefit Options. Improving end user satisfaction by 30%
- Architect of a streamlined and modernized data access layer, replacing cumbersome stored procedures with efficient ORM-driven mechanisms, resulting in a substantial boost to site performance. Loading times dropped as much as 96%
- Created desktop applications that interacted with Databases using Windows Presentation Foundation(WPF)

### **Computer Enterprises Inc**

*Software Engineer*

Pittsburgh, PA

October 2020 - December 2021

- Designed and implemented a robust API using Python and Flask for a leading pharmaceutical company, enabling seamless retrieval and updating of user data, thereby enhancing data management efficiency and facilitating streamlined processes.
- Engineered a dynamic web interface utilizing MQTT, Angular, C#, and .NET Core to visualize and display real-time measurements from a Thermocouple, showcasing a proficiency in cutting-edge technologies and contributing to enhanced data presentation and analysis capabilities.
- Actively participate in custom projects within a collaborative team culture, working closely with the CEI Team and Clients on the development of tailored applications across a diverse range of modern technologies.
- Demonstrate proficiency in .NET/C#, ASP.NET MVC, Angular, Web API, REST, JavaScript, Azure, and AWS, contributing to the successful execution of projects and ensuring effective delivery.

### **Shoptelligence**

*Software Engineer*

Ann Arbor, MI

August 2019 - October 2020

- Designed and sustained automated tests using Python, PHP, and JavaScript, ensuring the ongoing reliability and efficiency of testing processes.
- Engineer and deploy comprehensive solutions to seamlessly integrate applications across the platform, ensuring cohesive functionality and enhanced interoperability.
- Designed and implemented backend APIs using Python, leveraging my expertise to create efficient and scalable solutions for seamless data communication and functionality.
- Elevated application performance by proactively identifying improvement opportunities, formulating strategic recommendations, and executing the design and implementation of enhanced systems.
- Oversaw system up-time and maintenance, ensuring optimal performance and reliability to meet organizational objectives.

## EDUCATION

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### **University Of Michigan-Dearborn**

BS Computer Science

Dearborn,MI

## SKILLS

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Languages:	C#, Javascript, Python, PHP, C++, SQL, HTML/CSS, TypeScript
Frameworks and Libraries:	.Net Core, ASP.NET, Angular, ReactJS, NodeJS, Bootstrap, JQuery
Technologies and Tools:	MySQL, PostgreSQL, Oracle, Git, Docker, Azure, REST APIs, WPF
Testing:	MSTest, xUnit, Jasmine