John MacFadyen

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EXPERIENCE

Tegrit   Livonia, MI
Software Engineer   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   Pittsburgh, PA
Software Engineer   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, AngularJS, 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, React, Web API, REST, JavaScript, Google Cloud Platform, Azure, and AWS, contributing to the successful execution of projects and ensuring effective delivery.

Shoptelligence   Ann Arbor, MI
Software Engineer   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

University Of Michigan-Dearborn   Dearborn,MI
BS Computer Science

SKILLS

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