Frederick G. McCollum IV

Business Analytics Specialist | Software Developer

Contact / Social

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Education

Master of Science
Business Analytics
University of Dallas (in progress)
4.0 GPA

Bachelor of Business Administration
Information Systems, Math & Finance
Schreiner University – 2017
Summa Cum Laude, 3.97 GPA

Professional Certificate
Computer Science, Web Development
HarvardX (in progress)

Skills

Business / Data Analytics • Software Development • Communication / Public Speaking • Time Management • Quick Learner • C# • Python • JavaScript • SQL • ASP.NET • R • Git • Dynamics 365 • SAS • Azure • Machine Learning

Certifications

Programming in C#
Programming Using Python
Programming Using JavaScript
Software Development Fundamentals
Power Apps+Dynamics 365 Developer
Azure Fundamentals
Dynamics 365 for Sales
Base Programmer for SAS 9
Database Fundamentals
Security Fundamentals

Volunteer & Organizations

Open Source Software Contributor
Microsoft Aspire Ambassador
Schreiner University Ambassador

Summary

My name is Frederick McCollum, but I go by Erick. I am a motivated IT professional with an unrivaled passion for technology, learning, and building valuable relationships. I strive to utilize modern technology to create valuable solutions, make a positive business impact, and empower others.

Experience

Software Engineer
Microsoft Corporation • Sept. 2020 – Present
- Software Engineer on the Microsoft Azure platform.
- Utilize Azure cloud technologies such as Azure Functions, Azure App Service, Logic Apps, etc. to build cloud-scale apps and microservices.
- Interact with and build powerful APIs using modern technologies and programming languages.

Consultant, Business Apps Developer
Microsoft Corporation • May 2019 – Sept. 2020
- Developed and optimized applications using JavaScript, C#, .NET, and ASP.NET to improve end user productivity by over 53%.
- Investigated and resolved memory leak issues in a project that included over 22 ASP.NET web applications and APIs.
- Won a *Microsoft #BetterTogether* award for going above and beyond.
- Maintained source control for teams of 10+ engineers using tools such as Git, GitHub, and Azure DevOps.
- Led content development, including the release of 4+ organization-wide newsletters and over 10+ hours of learning and readiness content.
- Managed a team of 20+ contributors with the mission to improve organization culture, networking, and engagement.
- Influenced team growth by mentoring 8+ team members and participating in 5+ interviews and hiring events.

Support Engineer, Business Apps Developer
Microsoft Corporation • July 2017 – May 2019
- Maintained customer satisfaction ratings of over 90%.
- Recognized as a subject matter expert (SME) in SDK topics.
- Provided expert guidance to enterprise customers in the debugging and optimization of JavaScript and C# code.

Projects

Predictive Model to Predict NCAA March Madness Results
I created three different predictive models to predict *NCAA March Madness* Tournament Results using R. I selected the best model and presented my analysis. The source code is hosted on *GitHub*.

Analysis of Dallas Animal Services Data
I performed an in-depth analysis of Dallas Animal Services data using modern cloud technologies, including Microsoft Azure, Power BI, and more. I compiled a report and presented this analysis. The source code and final report are hosted on *GitHub*.

View more at www.erickmccollum.com.