

# Mark C. McFadden

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## SUMMARY OF QUALIFICATIONS

Senior Developer with over twenty-nine years of experience in Information Technologies, specializing in enterprise APIs, full-stack solutions, and API gateway administration. Skilled in Internet technologies, network administration, .NET and J2EE development, and currently working with Azure API Management and Generative AI tools to deliver secure, resilient, AI-driven applications. Proven track record designing and implementing systems from static sites to dynamic e-commerce solutions, while also educating and mentoring through corporate presentations, team leadership, and university teaching.

## TECHNICAL SKILLS

- Generative AI Development
- Agile Development Methodologies
- IBM API Connect
- HTML/XHTML/CSS
- C#/.Net Development
- PowerShell
- Ruby and Ruby on Rails 3.x
- Bash/ JavaScript Development
- Java with Struts and Ant
- JavaScript Development & Frameworks
- Elastic Search/Logstash/Kibana Stack
- Python

## CERTIFICATIONS

- Microsoft Certified: Azure AI Fundamentals – Microsoft, Credential ID: EA4A12F30E94B9DC (Earned Feb 17, 2024)

## EDUCATION

### ***Major: Business Informatics***

**School:** Northern Kentucky University

***Awarded Outstanding NKU Graduate Student 2009-2010***

***Degree: Master of Science in Business Informatics- 3.86 GPA***

***Certificate: Graduate Certificate in Enterprise Resource Planning***

***Completion Date: 12/2009***

### ***Major: Networking & Distributed Systems***

**School:** Columbus State Community College

***Degree/Certificate: Certified Novell Administrator (CNA) - 3.X***

***Completion Date: 03/1997***

### ***Major: Education***

**School:** Ohio University

***Degree/Certificate: Bachelor of Science- Summa Cum Laude***

***Completion Date: 11/1993***

## EMPLOYMENT HISTORY

***Employer: Northern Kentucky University***

**Location:** Highland Heights, KY

**Title:** Part-Time Faculty

***Duration: 08/2015 – 05/2023***

- Taught college students Advanced Line of Business Application Programming and Introduction to Database Courses
- Instructor in the Graduate Level Information Technology Governance Course
- GitHub Campus Advisor

***Employer: Western & Southern Financial Group***

**Location:** Cincinnati, OH

**Title:** Senior Software Developer II

***Duration: 03/2013 – Present***

- Participated in a Generative AI Development pilot project:
  - RAG pipeline prototyping
  - Integration of OpenAI APIs into enterprise workflows

- Worked with Hugging Face and LangChain
- Setup and Administered Enterprise Azure and API Connect APIs
- Developed .Net MVC Web App for On Demand Correspondence
- Developed Java Based Solutions for New Business Data
- Utilized WebSphere Application Server with a DB2 Database
- Constructed Reports from Java to work with a Batch Control Interface API
- Created both Windows Services and Web Services for Service Oriented Architecture

***Employer: US Bank***

**Location: Cincinnati, OH**

**Title: Application Developer**

**Duration: 11/2000 – 03/2013**

- Developed a Java Based Commercial Customer Banking Application
- Combined Ant Build Scripts and JUnit Tests into an automated builds and tests
- Utilized Automated Testing Applications such as NUnit for Test Driven Development
- Design of various Intranet Applications with Unified Modeling Language
- Developed web applications utilizing Active Server Pages and Visual Basic COM
- Created Object-Oriented Web based applications on the Microsoft.NET platform with C# and SQL Server
- Lead Development Group in Application Design and Implementation
- Presented Instructional Topics on Development Methodologies and Patterns
- Utilized Rational Tools for Lifecycle Development
- Developed Web Parts for SharePoint Portal Server.
- Created .Net XML Web and Windows Services

***Employer: ICES Limited***

**Location: Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio**

**Title: Web Administrator**

**Duration: 08/1999 – 11/2000**

- Setup and Administered Four Dell Power Edge 6300 And 6400 Web Servers
- Setup and Administered Internet Information Server 4 And 5 Servers
- Create Active Server Page Web Applications with VB Script, JavaScript, And Database Connectivity
- Design and Execution of MS Access And SQL Server Databases
- Setup and Administered Microsoft Proxy Server
- Supported and Managed Fifteen Web Authors for More Than Twenty Different Web Sites

***Employer: PIC 17 Workforce Board***

**Location: Circleville, Ohio**

**Title: Systems Administration/Web Developer**

**Duration: 05/1995 – 08/1999**

- Administered Citrix Winframe 1.7 Server with A Custom SQL Server 6.5 Application
- Designed and Provided Training on Various Software Tools and Web Page Creation
- Setup and Administered Linux Red Hat 6 File Server Within a NT 4 Environment
- Created Custom Built Web Based Database Application and Related Manuals and Windows Based Help Files
- Planned, Deployed, And Evaluated Network Hardware and Software Solutions for the Various Partner Agencies
- Supported End Users with Hardware and Software Needs and Problems
- Chaired and Facilitated an Inter-agency Electronic Connectivity Project Consisting of Twenty Separate Agencies

***Employer: Great Oaks Institute of Technology***

**Location: Washington CH, Ohio**

**Title: Adult Education Computer Instructor (Part Time)**

**Duration: 09/1997 – 08/1999**

- Taught adult students basic computer applications and use of Microsoft Office 95 and 97 Suite Applications
- Taught students in Internet Usage of Web Browsers, E-mail Clients, and News Group Readers

***Employer: Great Oaks Institute of Technology (OakWeb Community Internet)***

**Location: Washington CH, Ohio**

**Title: System Administrator/Webmaster (Volunteer)**

**Duration: 08/1995 - 09/1997**

- Created and managed Website on Sun Sparc V System

- Monitored and maintained Unix BSD system activity
- Conducted public presentations for Community Network and Internet promotion
- Instructed on Internet use and Web Page creation with JavaScript and HTML