Edward “Scott” Mc Fadden

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I am seasoned Application Architect with over 20 years in the mixed development / infrastructure space and 5+ years as an Architect. I am currently seeking a leadership position where my experience can be used to guide one or more teams toward success. I am an experienced SAFe (Scaled Agile) Practitioner. I am greatly influenced by Domain Driven Design Practices and Building Block Components. I am very creative and have a reputation for bringing innovative architectural designs to the table.

Experience

**Senior Architect, Hilton, June** 2023-Present

I am one of the Architects that is helping bring Hilton's Opera Property Management Systems into the modern world by creating integration services that exchange information between the Opera Cloud Property Management System and Hilton's Core Reservation System. This involved designing robust solutions using Kafka, Opera Cloud's Event Service and Opera Cloud's Real Time Service Locator. In the end, the system design included 6 key microservices to handle both real time and batch reservation services, rate plans, and inventory management.

Aside from developing all the Architectural Diagrams necessary to secure the funding for the project, I put together the projects knowledge center in Confluence and oversaw the project infrastructure including GitHub Repositories, Deployment Pipelines, and reviewed the code that was developed to implement the project.

When I started the project, it was expected to be a .NET implementation, but Hilton's Enterprise Architecture Team mandated that we would use Java/Spring instead. I introduced Domain Driven Design concepts to the team and the result was encouraging.

This was a leadership position that guided the project toward a successful completion. The team was comprised of 7 developers and 4 business analysts.

I am regretfully leaving this position due Hilton’s contractor engagement policies. My current contract ends on August 30th, 2024.

Skills: Leadership, Solutions Architecture, Oracle Opera Cloud and Opera Reservation System, Kafka, Java, .NET, Java / Spring, OpenAPI/Swagger, Mentoring, Domain Driven Design, Gitlab Deployment Pipelines

**Senior Architect, ASRC / USDA, July** 2021-April 2023

One of 12 Architects on at large SAFe (Scaled Agile Framework) Solution Train (Metis) that is continually improving the USDA's Conservation Desktop Application. Responsible for defining the Architectural Runway for new features and changes to existing features. Tasks with ensuring teams in the release train developed code according to the standards set by the Architecture Team. Developed prototypes and data models to support business requirements. Redefined CI/CD pipelines to better support a release on demand strategy. Leading migration of several major application to AWS.

Was awarded **Rookie Rockstar of the Year for 2021,** **Rockstar Fourth Quarter 2022**.

Skills Used: AWS, React, Mongo, MSSQL, Jira, Bit Bucket, Enterprise Architect, Teams, Visual Studio, C#, Miro, Enterprise Architect, Pega, ESRI, SonarCube, Nexus, Jenkins, Confluence, SAFe

**Applications Architect/Tech Lead, QwikCut.com,** Feb. 2021-Mar 2021

Short term contract to provide in-depth analysis of the QwikCut team management application. Moved the application to be solely hosted on AWS. Improved accounting practices to make the application more profitable. Added a player grading subsystem that allowed coaches to provide targeted evaluations of a player’s performance for a given play or time frame.

Skills Used: AWS, Angular, Mongo, MSSQL, Jira, BitBucket

**Applications Architect/Tech Lead, Experian Health**, Dec. 2019 – Apr. 2020

Redesigned a seriously big payment application for health care providers. Using the Agile process, Domain Driven Design, Test Driven Development, and an awesome team to back me up. I delivered an amazing application platform that provides the flexibility the business needs, the accountability the auditors, the accuracy the accountants need, and domain design that makes development concise.

The application itself uses React JS/Signal R on the front end, C# Web API's for the front-end gateway, and a series of micro services that support the various application domains and communication gateways to trade information with our integration partners. The micro services are all written in C# using Rest/OpenShift Service Mesh and Rabbit MQ. All the servers are hosted in OpenShift Containers that support a cloud-based production environment. The application platform uses REDIS for fast caching of business objects and Mongo DB for long term persistence.

The team I am leading/led has 3 BA's, 3 QA's, 9 developers and 1 UX Guru.

Skills Used: C#, Mongo, Rabbit MQ, Swagger, Draw.IO, Jira, Bitbucket, Bamboo, OpenShift, Confluence, Jira, Domain Driven Design, and Test-Driven Development

**Applications Architect, Deloitte,** Nov. 2018 – Nov. 2019

At Deloitte I designed and oversaw the development of solutions for the next phase in applications developments. I worked with the Enterprise Architects to employ Enterprise Standards in the applications I was charged with. In one project, we refactored over 100,000 lines of code in an MVC controller into a Domain Driven Design project with extraordinary pre-production testing features. My pre-production approach to testing allowed the team to deploy virtually bug free releases to production for very sensitive applications. In another project I designed a series of microservices to provide both live and test data to three production applications, replacing separate application specific instances for the same. These services provided the applications an unprecedented level of pre-production testing and bounded contexts for the data acquisition sub-domains.

Skills Used: Azure Dev Ops, Azure Cloud Services (Batch Services, Functions, and Virtual Machines, KeyVault), C#, MVC, Swagger, SQL Server, Teams, Azure Service Bus, Azure Functions, SAP integrations, other third party integrations, Soap and Rest, Web Site Security, Agile, SAFe, Delphix, Launch Darkly, Sharepoint

**Solutions Architect, Consultant**, July 2012 – Nov. 2018

My contracts have included:

**Accident Fund Insurance Group**, Oct 2017 - Nov 2018

SME/Team Lead for Smart Communications Platform. Developed and managed over 550 document templates that supported a GuideWire Claims Center implementation. Oversaw production support of the document generation process - which included over 10,000 documents and over 3000 checks nightly.

**State of Tennessee, TSAC**, May 2017-July 2017

Applications Architect: I documented the architecture that will consolidate seven of the state’s educational scholarship systems into one uniform system that was flexible enough to integrate new programs and offerings simply by defining new data points and rules.

**Accident Fund Insurance Group**, Sept 2016-April 2017 SME/Team Lead for Smart Communications Platform.

**Alpha Insurance of Alabama**, June 2016 - Dec 2016

Smart Communications SME/Tech Lead/Architect. Provided technical leadership for the Smart Communications Software platform that supported a GuideWire Policy Center implementation. I architected the Post Process document distribute routing for a Guidewire/Smart Communications (Thunderhead) implementation using .NET and Windows Services.

**Scripps Networks**, Jan 2016 - April 2016

Full Stack Developer - I developed a tool that helped managed a large number of SQL Databases. It helped the DBA’s automate much of their administrative functions like creating special backups, restoring databases, and consolidating error reporting. This application was written in C# and WPF.

**Symphony Performance Health Analytics,** May 2014 - Dec 2015

Team Lead for a tool that reported HCAPS Summarizations. I had designed a single sign on solution that was used by several web applications. I also designed an API based report service that was used to generate SSRS reports for a selected period while limiting what the users could view to their authorization level.

**Texas Mutual Insurance**, Jan 2014 - May 2014

Provided Smart Communications/Thunderhead services and advise.

**Social Security Administration,** July 2012-Jan 2014

Smart Communications/Thunderhead SME that help develop an application that centralized the various state disability applications into a single platform.

Skills used: Node/Express, React, Mongo, C#, MVC, Entity Framework 6, Bootstrap, Signal R, JQuery, Angular JS, Angular CLI, MVC, HTML 5, SQL Server, SQL Server Analytics Service, Single Page Web Applications, Networking, Linux, Jboss, Tomcat, Eclipse, XML, XML-FO, and XSLT, MVVM, Scriptura Engage, Thunderhead, Java, WebSphere, Management, Technical Writing, Scriptura Engage from Innovative Designers, SharePoint, D3 Drawing and charting library, Android Development (Android Studio).

**Lead Consultant/Architect**, **Capgemini**, November 2010 – July 2012

.NET Architect specializing in Thunderhead Development and Microsoft C#. Assignments included:

Major Bank Auditing Application. I was the Architect and Tech. Lead (10 members) to develop a question presentation/workflow engine that supported Promontory’s Audit of over 27,000 Bank of America serviced mortgages. Over 2,000 users used the system. This program was developed using a very aggressive agile process and the base system was fully functional within 2 months.

Skills Used: C#, SVN, LINQ, WCF, WPF/Silverlight, HTML, XML/XSLT, MS SQL 2008,.NET 3.5, .NET 4.0, Project Management, technical writing, customer service, team leadership, MS SQL Reporting Services (2008), Database Design, SharePoint, and UML.

**Developer, Bank of America,** May 2010 – November 2010

Developed Credit Card Disclosure Statements for the Bank of America Credit Card arm. The statements were delivered using Thunderhead. Managed SharePoint Site for team.

**Lead Developer, Louisiana Dept. of Revenue,** January 2009 – May 2010

I was a Lead Developer in LDR E-Services development team that produced all of the EDI and Web based communications between the tax payers and the State of Louisiana. I was primarily charged with managing the L-2/L-3 application that collected the W2 data from employers. The system collected over 2 million W2 records from over 23 thousand companies.

**Professional Service Consultant, Thunderhead, LTD**, Mar. 2008 – Nov. 2008

I was part of the Professional Services Team which was tasked with installing and implementing this document preparation software package. The package itself was written in Java with several .NET components.

**Consultant, Sparkhound**, Sept 2007-March 2008

I was assigned to various state clients. Clients included Louisiana Department of Public Safety and Louisiana Department of Revenue.

**Lead Web Developer, Trane**, Sept. 2006-Sept. 2007

I was the lead developer for AmericanStandardAir.com, a subsidiary of Trane.

**Developer, Unisys**, May 2006-Sept 2006

I was assigned to the Louisiana Department of Transportation Licensing and Registration System development project.

**Instructor**, Micro Train.NET, Aug. 2005 - May 2006

**Data Processing Technician First Class (E6), US NAVY,** Feb. 1981-Sep 1994

Awarded Good Conduct Medal (2), National Defense Ribbon, Navy Achievement Medal, and Overseas Service Ribbon.

Education

University of Maryland, Bachelor's Degree, Computer Studies

Completion Date: May 1997

Purdue University, Associate Degree, Information Systems and Computer Programming

Completion Date: May 1988

Certifications

SAFe 6.0 Dev Ops Practioner (2023)

SAFe 6.0 Practioner (2023)

SAFe 6.0 Architect (2023)

AWS Certified Cloud Practitioner (2020)

Smart Communications Template Developer I (2007)

Articles:

Codeproject: <https://www.codeproject.com/script/Articles/MemberArticles.aspx?amid=6263700>

Linked In: <https://www.linkedin.com/pulse/first-look-amazon-kendra-scott-mcfadden/>