## DAVE ANAND

## SUMMARY

Mr. Dave Anand has over 12+ years of Enterprise Architecture and Object Oriented Development, and 10 years in Microsoft .Net, and Microsoft technologies and products experience; Advanced knowledge in .NET Architecture & Framework, SOA, SQL Server, DB2, Oracle and Windows Servers.

## EDUCATION

* Master of Science in Computer Science, University of Minnesota, Minneapolis
* Microsoft Certified Solution Developer for MS .NET (MCSD .NET)
* Microsoft SQL DBA / Programmer Certification.
* **Agile and Scrum, MVC4.0 and Test Driven Development**.

**TECHNICAL SKILLS**

Microsoft .Net 2.0, 3.5,4.0 C#, MVC 4.0, WCF, VS2010, VS2012, Web Services and Service Oriented Architecture (SOA), SQL Server 2012, Oracle, SQL SSIS/SSRS, Database Design & Data Modeling and other Enterprise Web development tools.

**OS & Servers**: Windows Servers, SQL 2008/2012 Server, Microsoft IIS 7.0, SharePoint Server -WSS3.0 & MOSS2010, Windows 7, and UNIX .

**protocols**: **WCF**, Web Services, ASP.Net **MVC4.0**, **ASP.Net 2.0, 3.5, and 4.0**, Active Directory, Directory Services, LDAP, TCP/IP, HTTP, SHTTP, jQuery, AngularJS and SOAP.

**LANGUAGES**: Net C#, VB.Net, VB Script , ASP.Net 2.0, ASP.Net 3.5, Java, XML, XSL, XSLT, C++, C, SSIS, SQL Store Procedure, Oracle PL/ SQL, AJAX, jQuery, JavaScript, PowerShell.

**DATABASES**:Microsoft SQL 2005/2008/2012, SQL Server SSIS, Oracle 10i, PL/SQL, Oracle Data Access Components (ODAC), Oracle Data Provider for .NET 2.0 (ODP.Net) , Oracle SQL Developer, and IBM iSeries (AS/400) DB2 , Erwin 7.0 Data modeling with DB Artisan.

**App. ServerS**: Microsoft IIS 6 & 7, SharePoint MOSS 2007, and WSS 3.0, Windows Server 2008 R2

**WEB SERVICES**: WCF, Azure, JSON, REST, Web API, SOAP, XML, .Net Web Services, and Java Web Service

**ENGINEERING***:* Web Services SOA, Object Oriented / Structured Analysis and Design Methodologies, Microsoft Best Patterns and Practices, SCRUM and KANBAN developments

**TOOLS**:Visual Studio 2008/2010/2012 and Web Service Software Factory: Modeling Edition 2008, and Web Services Software Factory, JetBrains ReSharper 8, Team Foundation Server (TFS) , CVS Source Control, MS Build scripts, MS Test and Log4j.

## RECENT EXPERIENCE

##### Client: Ohio Department of Health Feb 2010 – Present

##### *Role: Lead Developer / Architect*

##### WIC Project:

* Design and develop a Windows based Electronic Benefit Transfer (EBT) Card application to manage USDA WIC program benefit issuances for the participant. This involves POS System based application, .net assemblies that managed and provisioned the WIC benefits Cards from card reader. All transactions are captured at POS, and transferred to cloud database.
* Developed software to emulator hardware the WIC Card Reader, and Card using C# MVC pattern for the purpose of training and Testing.
* Develop **Asp.Net** **MVC** based multi-layer application to demonstrate secure and scalable web based application for ODH.

##### Client: Ohio Department of Public Safety October 2010 – Jan 2014

##### *Role: Sn. Developer / Architect*

##### EXODUS Project:

* Migration Architect for a multimillion dollar mainframe migration project, legacy **State of Ohio Driver’s License and Vehicle Registration System** from Mainframe to Multi-tier Windows 2008 Server environment using Microsoft .Net platform.
* Responsible for Capacity planning for Web, Application and Database tier, Interface with Infrastructure team to build and Configure 50+ Servers for Exodus environment, design and develop various .Net components (SOA, ASP.Net using **MVC pattern** .Net WCF Services, MS MQ based Enterprise Audit logging system, troubleshoot and resolve several Enterprise Distributed Transaction issue across multiple system, Load Test and Performance tune various system components, including infrastructure resources).
* Also responsible for Production Support, and Update releases. (Completed in May/2012)

**BMV Withdrawal Management System Project:**

* Involved **ASP.Net MVC 4.0** application frame work prototype effort, and standardizing the frame work for DPS.
* Project Lead and lead Developer for BMV Withdrawal Management System a multi-tiered service oriented **ASP.Net MVC** application for Ohio Department of Public Safety, using **ASP.Net MVC4.0 UI, WCF Service**, and Business Object interface. SQL Server for database, and SQL Server Reporting Service.
* Develop IT Proposal and Design documents for Engineering Board to seek approval for the new systems.
* Research, prototype, and design components for new system. Interface with Network and Infrastructure Group, and validate new design upfront by load testing the prototype code of all the major component design.
* Responsible for overall systems architecture, design, including developing various components, managing Agile Scrum based sprints, builds, deployment, and release planning, and mentoring developers in C# .Net , **ASP.Net MVC 4.0**.
* Develop initial code, and work with developers to create new Screens, Classes, and Test Cases.

**Client: Ohio Department of Insurance, State of Ohio, OH Sep 2009 – July 2010**

***Role: Senior Developer/Solutions Architect***

* Lead developer for FCMS (Fraud Investigation Management System) Release 1.3, and 1.4, an ODI (Ohio Department of Insurance) Enterprise Application based on SOA (Service Oriented Architecture) using **ASP.Net MVC 2.0, .Net Workflow, IoC** and **Dependency injection patterns.**
* Develop and maintain SQL Server Integration Services (**SSIS**) using SQL Reporting Services (**SSRS**), and Crystal Reports.
* Developed new Secure Login for ODI External Gateway Portal using **ASP.Net MVC 2.0**. Design and Develop ODI Gateway Portal User Administration site.
* Implemented 2009 / 2010 Legislative changes for various ODI External Applications.

Client: **Bob Evans** **Farms Inc., OHIO** April 2008\* – Aug 2009

*Role: Senior Developer* 04/2008\* -0 1/2009 – Worked part time (20 hours/week).

Install and configure Microsoft   ASP.Net development, Test, and Production environments for Bob Evans Farms, Inc.  IT Department. Responsible for Install, Configure, and Manage (Windows 2003 R2 Servers, IIS, SQL  2005 Servers,  **SharePoint Server -WSS3.0 & MOSS2007**, and Team Foundation Server 2008) using VMware virtualization.

* Provided user authentication using MS Active Directory buy creating domain groups within MOSS 2007 sites.
* Reverse engineer and reconstruct destroyed source code for several MIMI's Cafe applications, including [mimiscafe.com](http://www.mimiscafe.com/) web portal from a compiled production code.  Develop several enhancements to MIMI’s Cafe applications and integrate it with BobEvans.com.
* Develop and maintain SQL Server Reports using SQL Reporting Services, and Crystal Reports.
* Develop several enhancements and support [BobEvans.com](http://www.bobevans.com/) websites using backend database SQL Server 2005, SQL and Store Procedures.
* Involved in MOSS Error tracing for Employee’s Site
* Architect Bob Evans Enterprise Microsoft  .Net multi-layer application framework.  Design and develop several Bob Evans and MIMI's Enterprise Components (Data Access for AS400 iSeries DB2, Security, UI) Technology used **ASP.Net 3.5. WCF, AJAX, jQuery**  Web Controls, DB2, and SQL Server 2005.
* Predictive Prep System for Restaurants:   Design and develop a custom ASP.Net application for tracking daily inventory, usage, waste and forecast  for various kitchen preparation items based on historic usage patterns for each  restaurant.
* Harvest Scheduling & Tracking System :   Design and develop a custom ASP.Net application for livestock purchase based on market, scheduling, and delivery tracking from various vendors; generate daily yield reports based on vendor and operation plants. The application was used by corporate purchasing, and plant operations. Developed custom report charts using Microsoft Chart Controls for Microsoft .NET Framework 3.5.

##### Client: American Electric Power, Ohio Nov 2007 – Feb 2009

##### *Role: Solutions Architect / Senior Developer*

* Architect AEP Global Power Trade Confirmation application. This application is used by AEP Energy trading group to trade Power to AEP Trading partner in various markets. Technology used ASP.Net 3.5. WCF, AJAX, Infragistics Web Controls, Oracle Data Access Components (ODAC), Oracle Data Provider (ODP) .NET 2.0 (ODP.Net) and Oracle 10i. Analyze and provide data migration / conversion schema for the application.
* This is a complex real-time system used for energy trading that interacts with 13 different external systems. Various communications are performed using XML, WCF. Guidance Automation Extensions (GAX) along with .Net SCF Service Factory - Modeling Edition (VS2005) was used to model and implement various external system interfaces.
* Involved in Debugging Web Parts, Debugging Event Handlers, Power Trade & risk Management
* Created SharePoint Governance Model
* Work with the AEP Energy Trade Confirmation Business to define requirements, model business flow, process flow, data flow and develop System Design; create prototype, and work with development and the implementation teams.
* Planning/Systems Architect for AEP Credit Reserve and Broker Quote mapping projects. Responsibility involved development of system design, architecture of product enhancements, and assistance in SQL data conversion. Technology used ASP.Net MVC, Oracle 10i, PL/SQL, Oracle Data Access Components (ODAC), Oracle Data Provider for .NET 2.0 (ODP.Net) , Oracle SQL Developer

##### Client: OIT/DAS State of Ohio July 2006 – Nov 2007

##### *Role: Project Lead / Enterprise Architect/Solutions Architect*

* Provide technical leadership in the architecture, design, development, and deployment for various OIT IGD Applications using ASP.NET 2.0, Web Services, WCF, WSS3.0, and MOSS 2007, and Enterprise Business Objects (CSLA).
* Interface with Customers, Business, and OIT Management to define the project scope, requirements, plan/tasks (WBS), technology; architecture, development, and maintenance.
* Architect OIT Enterprise Application framework using SOA (Service Oriented Architecture), for scalable multi-tier, multi-layer architecture. Design and develop several OIT Enterprise Components to support the architecture for all future OIT applications. Technology used ASP.Net 3.5. WCF, AJAX, Infragistics Web Controls, and SQL Server 2005, and SQL Server Reporting.
* Architect and develop OIT Portal, OIT Common applications. OIT Security based on Enterprise Single Sign-on using Active Directory. Responsible for data conversion of all the OIT HR User’s contact information to OIT Portal Users database in SQL 2005 database.
* Designed and developed an ASP.Net 3.5 application to automate regression testing, application build, configuration, and deployment.
* Responsible for gathering and documenting business requirements.
* Developed custom FTP tools to automate data feed from OAKS (Ohio Administrative Knowledge System) and update vendor, and payment information in various applications' SQL 2005 database. This involved developing SQL Server2005 stored procedures and SSIS data packages and data conversion from flat file to various SQL Server 2005 databases.

##### Client: Ohio Department of Public Safety / Department of Commerce February 2005 – June 2006

##### *Role: Senior Developer /Solutions Architect*

* Manage, Architect, and developed Ohio Liquor Law Enforcement System (**OLLE**) project, a team of 5 in Analysis, Design and Development effort using agile development process.
* **OLLE** is implemented on *Microsoft .NET Platform using,* ASP.Net, ADO.Net, and SQL Reporting Services.
* Responsible for Requirements Analysis (performed Use Case based Analysis, Data Flow, and Business Object Modeling). Integration OLLE Application with ODPS Active Directory.
* Agile Programming Model was followed to meet the changing customer requirements, and user’s need for active participation. Small incremental releases, iterations were planned and executed.
* Developed prototype involving several detail page level design for key functional areas for each Business Units (OIU, DOLE, LCC, and AG Office). The User Interface, including the navigation and dynamic behavior of various processes were modeled in the prototype screens.
* Architected and developed the OLLE Application framework, and the database.
* Responsible for gathering and documenting business requirements.
* Developed the Master User Interface in .Net, a custom server control, a page template, and base class for all the web page to inherit. The base Master template controlled the UI based on the User Access level and their Business Unit association.
* Manage the complete OLLE product development cycle, interfacing with the Business, manage Project Plan, Development, Test, and Deployment effort. Present weekly progress to the Business Units.
* Developed .Net Windows Services to monitor database to post business events, alerts and triggers.
* Responsible for Data Conversion including data from File net, Oracle, Excel, and mainframe to SQL Server database.
* Successfully completed the project currently being used by DOLC (Department of Liquor Control), OIU (Ohio Investigative Unit), AGs Office, and LCC.

##### Client: Ohio Department of Health December 2002 – February 2005

##### *Role: Senior Developer/Solutions Architect*

* Project Lead for a team of 5 to 7 in the conversion of J2EE based Ohio Disease Tracking System (ODRS) to Microsoft .NET Platform.
* Responsible for gathering and documenting business requirements.
* Involved in design, and development of ODRS system using .Net Framework, C#, ASP.NET, ADO.NET, Oracle, and SQ Server 2000.
* Responsible for development and support of several key Ohio Department of Health's Enterprise .Net applications (ODRS, Single Sign-on, and LHD Directory, ODH Incident Tracking System, and STDMIS).
* Install, configure, Performance tune and troubleshoot .Net production applications running on IIS 6 and Windows 2003 server with Network Load Balance (NLB).
* Responsible for analysis, design, implementation, and support of large complex applications
* Involved in development of Ohio Department of Health SDLC Process based on RUP (Rational Unified Process) methodology.
* Identify and develop standards, conduct design, code review, and development of test plans, manage unit, integration, and system, and recommend improvements to tools, techniques, and processes.

##### Client: Limited Brands, OH June 2002 – November 2002

##### *Role: Senior Developoer*

* Architected, designed and developed a reusable site survey tool, and developed content management tools for deploying expressifashion.com. Cold Fusion, J2EE Java JSP Architecture using BEA WebLogic and SQL, DB2 database in the backend on UNIX.
* Developed a custom content management application to manage and update expressfashion.com database and the web content. This project was contracted through TenResource for Limited Brands.

***Role: DBA / Developer (VictoriasSecret.com)***

* DB2 DBA / Weblogic, ColdFusion Server /application support, JavaScript, Java.
* Create and maintain database, data model, analyze, and performance tune Vitoria Secrete database. Set up and test development, QA, production database, automate daily backup, reorganize tables, analyze the database usage, create indexes and perform database performance tuning.
* Use Database Query analysis tools for the application queries, and suggest performance improvement.
* Involved in data migration and conversion from SQL Database.
* Designed, and Implemented web application persistent cache for VictoriasSecret.com

##### Client: Longaberger Corporation, OH November 2001 – June 2002

##### *Role: Project Lead/Architect/Developer*

* Project Lead for a team of five members for development of an Enterprise level Web based Manufacturing Scheduling and Tracking system. J2EE compliant web application running on BEA Weblogic 6.1.
* Architected the complete system including database, application framework, JSP Page templates, business logic, Enterprise Java Beans, data access objects, and Weblogic Clustering and connection pooling.
* Responsible for complete System Architecture and design, including hardware, and software configuration (BEA and Weblogic 6.1). Created and managed a small development team of 4 developers.
* Converted project specs into design instructions and logical steps for the coding, consulted with business team to identify processes and clarify program objectives.
* Develop standards, conduct design, code reviews and develop test plans, manage unit, integration, and system, and the production deployment.

Client: BankOne Corporation, OH December 1999 – August 2001

##### *Role: Architect / Sr. Developer*

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* Designed and developed components for onePrivate.client.com a 3-tier Client/Server Internet Application based on HTML/DHTML, XML, JavaScript, VBScript, ASP, Microsoft technologies (Cold Fusion, JavaScript, Java) and products (Windows NT/2000, MTS, SQL Server, COM+, Visual SourceSafe).
* Lead developer for pcs.bankone.net/desktop a Bank One intranet eCRM (Electronic Client Relationship Manager) web application based on ColdFusion, and Java applet technology (Java Applets, Servlets, CFML, HTML, Cold Fusion, JavaScript, Java) and products (Windows NT/2000, Enterprise ColdFusion Server 4.5, and SQL Server 2000 Server).
* Developed complete client/server application for Palm PDA web access to Bank One intranet eCRM web application. AvantGo Channel Server and custom PDA Bank One PDA Client.
* Following other Web based client/server intranet applications that were designed, developed, deployed and supported:
* A rich client server application Sales Pipeline using early adoption Microsoft **Windows .Net Form**.
* Developed components for onePrivate.client.com a 3-tier Client/Server application, a thick client version Windows Form Development in Net.

##### Client: Nationwide Insurance Corporation, OH April 1998 – December 1999

##### Role: Team Lead

CLASS Plus Claims System

* Lead team in development of Java J2EE application that interfaces with CLASSPlus DB2 database application on Windows NT and AS400 to automatically collect Daily Injury Claims/Queries, and submit to a National Injury tracking Agency using 3780 link communication. This application also receiveddaily results of the submitted claims/queries from a National Injury tracking Agency and sent the feed back to end users (claim generators).
* Developed and maintained dynamic CLASSPlus Intranet Web site, which includes Active DHTM Pages with embedded JavaScript's, Cold Fusion, JavaScript, Java.

##### Client: Lucent Technologies & AT &T, OH November 1993 – December 1998

##### *Role: Member of Technical Staff*

* Team Lead for UI and Architect/developer for a web based provisioning system for German Telecom: Java Applet based Internet GUI application that interfaces with Server using JSP, Java Servlets, and Java Beans, Backend database Sybase. In charge of complete development, testing, and packaging.
* Lucent Internet Phone (Voice over Internet): Designed and developed Windows based Client for Lucent Internet Telephone Product. Implemented ITU H.225 and H.323 RAS protocol for authentication and to enable voice over net. Visual C++, COM, and Microsoft's NetMeeting SDK was used.
* Online electronic commerce for ACBU, AT&T: Implemented an Internet Web based Audio and Video Electronic shop using Microsoft’s Merchant server. This will allow the Internet users to Browse, Search, View Video, and Listened to Audio, and purchase product online.