

EXPERIENCE

Vitalware

Jul 2017 - Present

SVP Development and IT Services

Idaho National Laboratory

December 2016 - July 2017

Enterprise Business Architect and Acting Manager of Enterprise Applications

INL is part of the U.S. Department of Energy's complex of national laboratories. The laboratory performs work in each of the strategic goal areas of the DOE: energy, national security, science and environment. INL is the nation's leading center for nuclear energy research and development.

- Lead the process and cultural change required by the Enterprise Software Directorate to meet their growing set of responsibilities while lowering execution cost.
- Work with the CIO and directors to define a more efficient and friction-free organization structure.
- Actively recruit and train technical and process "evangelists" to own and champion these changes at a team level.
- Redefine incentives to align with lab and directorate goals.
- Organize and mentor teams to implement modern software delivery tools alongside process changes.
- Facilitate and incentive increasing inter-team cooperation.
- Communicate early and often with the change management group and the training centers to raise the long-term success of these initiatives.

Due to an unplanned exit of a senior manager within the Enterprise Software Directorate just prior to my joining the INL, I have also been tasked with managing the largest group within INL's IM organization, Enterprise Services.

Nelnet Diversified Solutions

December 2015 - December 2016 (1 year)

Consultant

Consulting with Nelnet, the #2 student loan provider in the US, on their modernization initiatives with the goal of lowering the overall time to market and cost of software delivery.

As part of my daily responsibilities, I:

- Advise IT on how design a modern low cost, high throughput, auditable, and reliable set of software delivery life cycle processes.
- Organize special teams for the implementation of these processes across the organization.
- Actively recruit internal architects to champion the use of reliable messaging and secure APIs.
- Redefine incentives to facilitate continued system maintainability, flexibility and performance.
- Ease the process burden experienced with modern software delivery tools with a clear migration path from current tool sets.
- Facilitate and incentive high inter-team cooperation.
- Communicate early and often with the change management group and the training centers to raise the long-term success of these initiatives. Due to the sensitive military and personal information involved with these initiatives, I have obtained a security clearance for this project.

Tools: REST APIs (ASP Web API), NServiceBus / Message Passing Architecture, C#, JavaScript, Sql Databases, Quickbuild and TFS

Zantler

*October 2013 - December 2015
(2 years 2 months)*

Chief Technology Officer and Lead Architect

I joined this startup at a crucial pivot point; the previous market had evaporated and they were experiencing

terminal scalability and security issues with the newly revamped platform. Responsibilities: Define a new direction and market. Establish a small distributed team of highly talented people to deliver this new technology direction in a very short period of time. Choose and implement the most appropriate methodologies, processes and tools aligned with strategic goals laid out by the board of directors. Work with the team to design, plan and implement the new product. Architect new platform and perform as development asset

Tools: Azure cloud (websites, cloud services, service bus, scheduler, cdn, etc), Node with Angular front ends, REST/HATEOAS APIs, Service Buses / Message Passing Architecture, F#, C#, JavaScript, Sql and NoSql Databases, Teamcity and Octopus (CI/CD), Git/DVCS

SunGard Consulting Services

March 2012 - October 2013 (1 year 7 months)

Senior Software Engineer and Architect - Integrys Energy

Responsibilities: Further expanded the geographical and departmental reach of the data validation, forecasting and pricing applications to new subsidiaries

DIY Media

March 2011 - March 2012 (1 year)

Senior Software Engineer and Architect

Responsibilities: Implementing payment/financials infrastructure and cloud based delivery of digital content. Amazon Web Services, Paypal (for Europe and South America) and CCAvenue integration for India. It was crucial the payment mechanisms be scalable, highly available and accurate, while providing an easy sometimes one click payment experience.

Tools: Amazon Web Services, Paypal (for Europe and South America) and CCAvenue integration for India. C#, .Net 4.0, MVC3, WCF, Amazon SQS, Amazon SNS, Amazon Web Services, PayPal Services, Javascript, jQuery, Sharp Architecture, Windsor Castle, NHibernate, Fluent Hibernate, HTML 5, Flash, Flex, Mono, MySQL, Git, SVN, TeamCity, SpecFlow, NUnit

SunGard Consulting Services

March 2007 - March 2011 (4 years)

Senior Software Engineer - Integrys Energy

Responsibilities: Architect, design and develop a retail energy pricing application. Improved per unit processing time from 10s seconds to 100ths of seconds. Implemented an Electric Pricing and Pattern Matching DSL for Excel-like user formulas. Architected and helped implement a service oriented architecture for the following functions in C# 3.5: costing, forecasting, hedging, data validation, and request validation.

Tools: .NET 3.5, C# 3.5, VB.NET 9, ASP.NET, JQuery, SQL Server, Castle, NUnit, RhinoMock, Moq, TypeMock, TFS

Digital Soldiers

April 2006 - March 2007 (11 months)

Senior Software Developer and Information Architect - Continental Airlines

Provided architectural guidance, design and development support to the Financial Systems Division.

Responsibilities: Application design and development, Methodology facilitation and coaching, Business modeling for multiple applications, services and databases.

Tools: C# 2.0, .NET 2.0, WinForms, Visual Studio 2005, Atlas / AJAX, JSON, ASP.NET 2.0, .NET Web Services, Enterprise Library 2006 Data Access, Enterprise Library 2006 Logging, Enterprise Library 2006, Exception Handling, SQL Server 2005, SQL Server 2005 Service Broker, SQL Server Notification Services, SQL Server 2000 Reporting Services, SQL Server 2003, SQL Server 2000, SQL Server 2000 Reporting Services, ASP.NET, .NET 1.1, Visual Studio 2003 Project List : Financial Systems Framework, FastTrack Web Client Phase 2, FastTrack Smart Client Phase 2, FastTrack Reporting Phase 2, Change Management Web Services, Document Management Web Services, Custom Workflow Web Services, Financial Systems Workflow Repository, Financial Systems Messaging Services, FastTrack Web Client Phase 1, FastTrack Smart Client Phase 1, FastTrack Reporting Phase 1, FastTrack Web Services Phase 1, FastTrack SQL Server Database,

SunGard Consulting Services

April 2005 - March 2006 (11 months)

Information Architect - BP NAGP

Provided business analysis and technical design for a range of projects at BP's North American Gas & Power division. Projects: Sarbanes-Oxley compliance and internal best practices for NAGP's critical processes and information structures. Responsibilities: Requirements gathering, Business modeling, Software analysis and design.

Tools: Visio for modeling, MS Office for communications, and Visual Studio for development

Digital Soldiers

April 2004 - March 2005 (11 months)

Senior Software Engineer - UT Health Science Center

Responsibilities included: Project Management, Requirements gathering, Business modeling, Software analysis and design, and Development Project: Telecommunications Billing System Ported the third largest billing system at the Health Science Center from the decommissioned mainframe to a C# client server application, integrated this system with PeopleSoft and reduced billing cycle from about a month to a few days.

Project: Telecommunications Document Delivery Based on the success of the billing application won follow up project to produce, distribute and verify delivery of billing documents on-line. Reducing the delivery time from weeks to minutes, plus saving the University thousands in paper and deliver costs.

Digital Soldiers

April 2002 - March 2004 (1 year 11 months)

Senior Software Developer and Information Architect - Continental Airlines

Project: System Re-Engineering Based on prior success the same team implemented a complete redesign of the Financial Planning System to a highly flexible, transaction based system. Responsibilities include requirements analysis and definition, use case facilitation and modeling, domain modeling, and various system design activities. Responsibilities also include design, development, testing and delivery of the Fuel and Freight functional components using C++ and Oracle on Win32 and Unix platforms.

Project: Financial Planning System Re-Write Team reduced the application run time of the in place application from once every fifteen days, to a single day, through the rewriting of four selected functional areas into C++. Responsibilities included: in place application analysis, definition of re-writable functional components, as well as development, testing, and delivery of the fuel component.

Enform Consulting (now Sungard Consulting Services)

April 2000 - March 2002 (1 year 11 months)

Consulting Manager

Clients: Reliant Energy, ExxonMobil, Dynegy, Petrolog, Weatherford International, SuperStand, WasteWise, McFarland Grossman Responsibilities included: Development, Business process improvement consulting, Business modeling, Project management and sales

LyondellBasell

March 1994 - December 1999 (5 years 9 months)

Senior Lead

Responsibilities included: Network Services and project management

EDUCATION

Rice University

September 1996 - May 1999

MBA in Finance and Entrepreneurship

Texas A&M University

BS in Genetics

September 1989- May 1992