

Dean Ostergaard

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Profile: 30+ years of IT experience including systems and software architecture, design and implementation, and managing large scale development projects. Excel at creating high performance software development teams, strategic planning, and best practice approach to technology architectures. Consistently improve delivery times and service levels while reducing costs. Hands-on management style and keen interest in effective software project methodology. Well-versed in agile / iterative methodologies as well as traditional approaches.

Core Competencies

Develop and Manage Global Teams / Enterprise Software Architecture Design and Development
Service Oriented Architectures (SOA) / Microservices / Software Development Methodologies
Software Development Life Cycle / SOA Platforms (Enterprise Service Bus, Business Process Management, Data Services Integration) / Health Care Interoperability / Health Data Exchange

Professional Experience

Systems Made Simple Enterprise Architect

September 2011 - present

On contract to VA VistA Standardization and Consolidation

November 2016 - present

Standardize the Veterans Information Systems and Technology Architecture (VistA) into a single maintainable standardized code and configuration baseline. Develop the architecture and designs to present a single, patient centric longitudinal health record regardless from which facility the patient's data is retrieved.

On contract to DoD / VA Interagency Program Office (IPO)

September 2015 - November 2016

The IPO leads the DoD's and VA's efforts to implement national health data standards to ensure interoperability among the DoD, VA, and private sector healthcare worldwide.

- Provide technical leadership, interoperability, and architecture subject matter expertise for the Innovations and Outreach division of the IPO.
- Perform in depth research and analysis of health care interoperability systems and frameworks including the CommonWell Health Alliance, Sequoia Projects, SMART on FHIR, Health Services Platform Consortium, etc.
- Attend and participate in CommonWell member meetings, subcommittees, and summits, representing the interests of the DoD and IPO.
- Participate on Joint Execution Teams for FHIR and C-CDA.
- Contribute content, review and provide feedback for the development of the Health Information Interoperability Technical Package (I2TP), which serves as technical guidance to the VA and DoD on interoperability.
- Represent the IPO at conferences, seminars, and symposiums supporting the research and outreach mission of the IPO Innovations and Outreach division.

On contract to VA Product Development API Exposure 2.0

September 2014 - September 2015

The API Exposure 2.0 project is chartered to develop enterprise shared services to expose capabilities of the Veteran Information System Technology Architecture (VistA) in accordance with the principles, patterns, and guidance as published in the OneVA Enterprise Architecture.

- Provide technical leadership and architecture subject matter expertise to the project team.
- Collaborate with VA Architecture Strategy and Design (ASD) to insure compliance and cooperation in the development of Service designs and solutions
- Support the research and development of SOA related capabilities that fit within and support the ASD Enterprise Shared Services (ESS) program and efforts.

Internal Research and Innovations Project

July 2014 – September 2014

Conducted research and evaluation of identity management solutions and approaches in the health care domain supporting the development of an enterprise health information integration solution.

- Developed expertise in identity systems and approaches based on Patient Identity Cross reference and Patient Demographic Query (PIX/PDQ) paradigms.
- Developed expertise in the configuration, management, and integration capabilities of open source Enterprise Master Patient Index (EMPI) solutions such as OpenEMPI
- Designed the architecture for the integration of the health information integration platform to enable it to interface with any EMPI that supported PIX/PDQ protocols and services.

On contract to VA Business Architecture Services

July 2013 – July 2014

The Business Reference Architecture (BRA) Unit develops the Business Architecture within the Veterans Health Administration (VHA), which guides the development and maintenance of business-focused, Veteran-centric information technology (IT) applications. BRA provides the framework and the strategic context for categorization and planning of the underlying business processes and information elements that are used to deliver business capabilities.

- Led an effort to map Business Process Models to the VHA Business Function Framework (BFF)
- Applying Agile practices to the planning and execution of BRA team projects and tasks
- Lead sprint planning and retrospective activities for the team
- Oversee task and deliverable completion, manage the backlog, and performance reporting
- Developing and supporting the Business Architecture Repository (BAR) integrated tooling environment
- Evaluate, select, and configure Enterprise Architecture and management tools to support the BAR

On contract to VA Development Research Analysis Program

May 2013 – July 2013

The Development Research Analysis program assists Product Development teams by researching, analyzing and organizing the technical and functional data related to nationally deployed VA applications.

- Developed architecture models and documentation describing the Veterans Health Information Systems & Technology Architecture (VistA)
- Developed Entity Relationship Diagrams describing the VistA data model
- Led an analysis of the Veterans Benefits Management System (VBMS), developing plans, tasks, schedules, milestones and deliverables.

On contract to VA VLER Initiative

September 2011 – May 2013

Lead Architect, VLER IT PMO Architects Team

- Manage the 10 member VLER Architects team to develop the high level architectures and provide Architecture Expertise and support the programs and projects under the Department of Veteran's Affairs Virtual Lifetime Electronic Record Initiative.
- Lead a 30 member Architects Community of Practice which includes Architects from every program and project under the VA's VLER Initiative.
- Evaluate, organize, and delegate Architecture development, oversight, and support tasks among a ten member team of senior architects
- Design and develop software and system architectures to support the VLER mission of information sharing and access across the VA enterprise, DoD, and private partner systems
- Introduce and support Service Oriented Architecture methods and practices to the VLER teams
- Develop SOA Governance and Management systems and processes to support SOA development on the VLER Initiative

TEKsystems

March 2011 – September 2011

Sr. Systems Architect (on contract to Systems Made Simple)

Sr. Systems Architect for the VA VLER Initiative

- Develop As-Is and To-Be Architecture and System Designs using Service Oriented Architecture Principles
- Lead the VLER PMO Architects Team consisting of a group of Senior Architects who oversee and guide the architecture for all of the programs and projects under the VA's VLER Initiative
- Lead the Architecture Community of Practice which consists of all architects from the VLER PMO, programs, and projects, The CoP provides a venue for communication, knowledge sharing, and information exchange for architects. It provides visibility into the activities on the various projects to all architects under VLER.

Independent Consultant

February 2009 – March 2011

Provide software architecture, design, and development, project management, and agile development consulting to clients in various industries.

- *Major Click & Mortar Herbal Remedy Company in CA* – Developed and implemented the architecture to integrate a Joomla-based eCommerce front-end with CommercialWare fulfillment back-end using Mule ESB, Java, XML, XSLT, PHP, MySQL / SQL, Web Services, and JMS / IBM MQSeries Messaging.
- *Major Click & Mortar Herbal Remedy Company in CA* – Developed and implemented a web services client architecture for integrating a web eCommerce system with FedEx and U.S. Postal Service shipment tracking
- *Major Click & Mortar Herbal Remedy Company in CA* – Designed the architecture and developed a system and software to consolidate orders placed through various channels (Web, Phone, Mail, & Walk-in) into a single order history viewable by the customer via their web account.
- *Business Development Consultancy* – Maintain and enhance an online system that supports multi-media coaching and training for customer service, sales, and leadership professionals.
- *Large Printing Company in NJ* – Developed a new intranet using Joomla content management system, PHP, and MySQL / SQL. Migrated existing content and developed several custom applications using the Joomla module, component, and plugin framework.

IDEXX Laboratories, Inc., Westbrook, ME Systems Development Manager

June 2006 – February 2009

Led efforts to standardize IT systems development methods on best practices across all IT teams and to guide the evolution of a more coherent and manageable systems technology architecture. Responsible for a cost center with a \$1.8M budget.

- Introduced Enterprise Architecture concepts and principles to the company.
- Leveraged relationships in the technology community to create a world class software development organization which grew from three to thirteen employees plus four contractors in less than one year – allowing IDEXX to deliver enterprise class applications for customer service, reference lab management and the web.
- Led a change to Service Oriented Architecture principles and technologies, designing the architecture, then coaching and mentoring developers, developed reference implementations – enabling the company to address global enterprise application development requirements for a worldwide network of reference laboratories and customer service call centers – improved the development agility, flexibility and software reuse/re-usability.
- Pioneered the use of agile development methods resulting in shortened “time to market” and improved customer satisfaction with the applications developed.
- Architected the Service infrastructure consisting of an Enterprise Service Bus, Business Process Services and Data Access and Abstraction Services.
- Managed the development team that developed and deployed an SOA-based customer service application that integrates multiple systems and sources of data into a single desktop application replacing from seven to twelve applications that were needed to accomplish the same tasks.

iCST, LLC, South Portland, ME Director of Consulting Services

March 2004 – June 2006

Responsible for helping clients determine the optimal sourcing model for their software development projects, whether it is in-house, on-shore, or offshore. Selected and assembled the project teams to take projects from proposal through delivery. Developed the project plan, work breakdown structure, budget and pricing estimates. Managed the consulting services staff and contract developers, as well as managing projects, coordinating development activities with offshore partners, business development, sales, and sales support.

Selected Accomplishments:

- Partnered with a nationally recognized HR consulting firm to design a system that supported an “appropriate pay” compensation management and review system for a regional healthcare organization – resulted in reduced time for managers to prepare annual compensation reviews, reducing costs and garnering praise as a more effective compensation review process.
- Responded to a need of the Maine Ethic Commission for a website to administer the Maine Clean Elections Act (within a very tight budget) – partnered with an off-shore development company and oversaw the development and creation of the website which met the need to register and record candidate and lobbyist campaign finances and to provide the public with access to this information.

Cost Effective Development, Inc., (Quadrix Solutions, Inc.) North Yarmouth, ME

2000- March 2004

Chief Architect

Cost Effective Development was spun off from Quadrix Solutions when the managed hosting and collocation business was purchased by OpSource. Led a team of world class developers using PHP, Java, J2EE, SOAP, XML and Web Services Technologies to deliver custom solutions and integration products to clients.

Selected Accomplishments:

- Led the development of a proof of concept (POC) to demonstrate to the advantages and capabilities of using message oriented middleware (IBM MQ Series) to integrate BMG Direct's e-commerce web applications with a legacy IBM mainframe back-end order fulfillment system – BMG later implemented a production integration project utilizing the code, concepts and capabilities delivered in the POC.
- Leveraged SOAP, XML, .NET and Web Service Technologies to develop the architecture for a system that integrated a Microsoft back-end PowerPoint engine with a J2EE website – allowing speakers to select slides, build and download slide presentations as part of a speaker bureau support website.
- Developed the processes and infrastructure, to address key operational issues faced by a startup utilizing distributed virtual development teams.
- Automated unit and system testing to insure the quality of the contributed components from members of the distributed virtual team.
- Built solutions that include Custom Middleware, legacy system integration, retail E-Commerce, Marketing Support, Corporate Intranet, Customer Self Service, and Customer Relationship Management systems.

Norsetech Commerce Inc., Flemington, NJ

1997 – 2000

President

Norsetech Commerce Inc. provided virtual CIO/CTO services and custom solutions development to clients in the mid-Atlantic region.

Anadigics, Inc., Warren, NJ

1994 - 1997

IS Manager

Responsible for managing all aspects of Information Services including: Data center operations; Help desk Network; engineering and network management; Disaster recovery, Systems development and maintenance.

Baker & Taylor Books, Bridgewater, NJ

1985 - 1994

Manager, LAN Systems

1991 - 1994

Project Leader

1988 - 1991

Senior Analyst

1987 - 1988

Programmer/Analyst

1985 - 1987

Nestle Foods Corporation, White Plains, NY

1982 - 1985

Associate Automation Engineer

Education

BS Information Technology, University of Phoenix