Contact

Jim Andreasen

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Skills

Professional

Backend and Web Development and Design

Serice Orientation • Object Orientation • Functional Programming • AOP •
Advanced SQL query tuning and execution plan analysis

Design Patterns Leveraged

Cache-aside • Compensating Transaction • CQRS • External Configuration Store •
Federated Identity • Gatekeeper • Queueing • Sharding • Abstract Factory • Adapter •
Bridge • Command • Double-checked locking • Facade • Lazy Initialization • Observer •
Repository • Singleton • Strategy • Prototype • Unit of Work

Technologies

C# 1.1 - 6.0

WCF • ASP.NET MVC 2 - 5 • ASP.NET Web API 2 • LINQ • SignalR (Web Sockets) 1 - 3 •
ORM (Entity Framework 2-5, NHibernate 2 - 3)

Distributed Computing and Messaging

Apprenda • NServiceBus 4-5 • MSMQ • ActiveMQ • Azure Service Bus •
Service Bus for Windows Server • Service Fabric • Heroku

Databases

SQL Server 7.0 - 2016 RC3 • RavenDB (NoSQL) • Oracle 11g, 12c

JavaScript

jQuery 1.2 - 1.8.x • AngularJS • handlebars.js • mustache.js • JavaScriptMVC • Ext JS •
weld.js

Misc

Unity • Ninject • Castle Windsor • Various hand-rolled IoC containers • TeamCity 6.0 - 7.0 •
PowerShell 2.0 - 5.0 • TDD (MSTest, NUnit, xUnit) • Mocking frameworks (Moq, FakeItEasy) •
Version control (Git, SVN, TFS, SourceSafe) • F#

Software Development

Software Architecture Design

Volatility-based decomposition • SOLID design principles • Project design •
Maintain focus on total cost of ownership •
Cloud/distributed architecture (as well as PaaS and SaaS) • Technical and business analysis •
Mentoring

Training

IDesign Architect's Master Class (Juval Lowy) •
IDesign Project Design Master Class (Juval Lowy) •
IDesign Architecture Clinic (Michael 'Monty' Montgomery) • Agile project management (Rally)

Work Experience

Almac Clinical Technologies
Souderton, PA

Solutions Architect
July 2015 to Current

Primarily responsible for reducing the cost and time required to prepare and maintain studies for the company's flagship clinical trial management system, overseeing multiple development teams, and delivering both designs and hands-on solutions for cross-cutting concerns. Partner with product owners by analyzing business problems, providing viable options and estimations, and facilitate aligning them with the study-level business unit. Collaborate with a small team of fellow architects to ensure consistent guidance and a clear vision for technical solutions. Provide technical leadership and mentoring to development team leads and their subordinates.

NServiceBus (50%) • C# (40%) • T-SQL (5%) • PowerShell (5%)

Apprenda, Inc.
Troy, NY and King of Prussia, PA

Solutions Architect, Client Services
October 2013 to July 2015

Recommend and design enterprise client solutions for cloud-suitability with consideration for a customer's unique policy, process and technical requirements. Diagnose, troubleshoot and resolve customer issues relating to developer operations, cloud infrastructure and hosted applications. Factor existing applications for SaaS-enablement and distributed hosting on the Apprenda PaaS platform. POC development, leading group training for diverse audiences, extensive development and creation of custom Apprenda platform extensions primarily for cross-app communication and automation.

WCF (50%) • C# (25%) • T-SQL (10%) • PowerShell (10%) • PL-SQL (5%)

MedRisk, Inc.
King of Prussia, PA

Sr. Software Engineer
June 2013 to October 2013

Short-term contract to lead migration effort of legacy Access implementation to .NET. Established new platform and standards with architect. Analysis of business needs and current implementation.

C# (65%) • SQL (35%)

Siemens
Malvern, PA

Lead Software Developer
March 2013 to June 2013

Short-term contract to deliver work orders for federal regulation compliance. In addition, responsible for training and providing examples to development team with modern principles and techniques of software development.

C# (85%) • JavaScript (10%) • SQL (5%)

PointRoll, Inc.
King of Prussia, PA

Architect, Sr. Software Engineer
June 2010 to February 2013

Rearchitected core application leveraging IoC to break apart a knot of circular dependencies. Lead shaping and implementation of backend design to the core application's more-UX focused reboot as a RESTful, testable API. Was a leading contributor to a rule-based dynamic ad content service.

Received the peer nominated, management approved Roller (employee) of the year award in 2011. The majority of development was done in C# 4.0 in ASP.NET MVC3 (TDD, Repo pattern, DI => IoC, MVC3 as a JSON, use case-oriented REST API), WCF (per-request, custom handlers and behaviors, SOAP, WebApi and CodePlex WCF Web API), and JavaScript (closures, prototypical inheritance and client-side MVC).

C# (70%) • SQL (25%) • JavaScript (5%)

Allied Barton Security Services
Conshohocken, PA

Sr. Developer
February 2008 to May 2010

Responsible for designing and replacing legacy vacation/sick accrual and tracking system. The majority of development was done in C# leveraging LINQ, ASP.NET and jQuery driven front end and T-SQL. XSLT, SSIS, SSRS, VB6, and VB.NET 1.1, and LDAP were also used to a lesser extent.

SQL (65%) • C# (30%) • VB6 (3%) • VB.NET (2%)

MedRisk, Inc.
King of Prussia, PA

Sr. Developer
September 2006 to February 2008

Programming focus was OO and DB design and development. Programming predominantly done in C#, T-SQL, VB6 and Access VBA. Projects include creation of COM Objects/DLLs, web services, automation, stored procedures, query optimization, automated email and attachment capture, and creation of rules based routing engines. In addition to programming: project design, mentoring, requirement gathering from all levels within the organization and technical writing.

C# (60%) • SQL (30%) • VBA (7%) • VB6 (3%)

Automated Financial Solutions
Exton, PA

Programmer Analyst
December 2005 to September 2006

Programming focus was on VB6, DCOM, T-SQL, and hand-rolled AJAX for loan origination front end that interfaced with mainframes. Projects included: creation and maintenance of COM Objects/DLLs, VBA scripting engine, designed database archival process with on-demand retrieval.

VB6 (80%) • SQL (10%) • XML (5%) • VBScript (5%)

MedRisk, Inc.
King of Prussia, PA

Sr. Developer
May 2001 to November 2005

[See description above]

VBA (50%) • SQL (45%) • VB6 (5%)

Elecor Communications
Butler, NJ

Network Administrator
March 2000 to January 2001

As sole member of the technical staff, developed and maintained Classic ASP web site for a digital dictation and document transfer service. Experience in ASP, VBScript, and ActiveX components.