

Jake Eldridge

Consultant / Architect / Software Engineer

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Experience

Cision, US – Consultant

April 2006 – Present

- Defined and designed object models, frameworks, physical and logical database schemas for a customer facing web system providing advanced searching and analytics of a very large media database containing hundreds of millions of records and multimedia objects including images, audio, video and .pdf files.
- Coded and wrote: AJAX enabled ASP.NET web pages and web controls; C# APIs and libraries; and TSQL scripts, stored procedures and triggers.
- Coded .NET service in C# to automate emailing and faxing documents interfacing with a third party vendors' web service.
- Defined and enforced standards for coding, test driven development and OO design.
- Automated builds and unit tests using Cruise Control and MS Team Foundation Server.
- Defined data requirements for source system ETL.
- Defined CLR, database and server profiles and metrics to be collected. Analyzed results from system performance and capacity testing. Improved system response time and throughput by optimizing: caching; database queries; client and server side code; web and database server configuration; Viewstate and session persistence; HTML; CSS; and Javascript.
- Defined and documented procedures for QA, UAT and production deployments.

Hartford Financial Services – Consultant

January 2004 – March 2006

- Provided software, database and system architectures, code and solutions for:
 - Reporting on M&A integration of Oracle, Sybase and DB2/400 systems.
 - M&A migration of underwriting operations from VB, Sybase to Oracle Forms systems.
 - Auditing application access using C#, LDAP, Active Directory, Sybase and Oracle.
 - File transmission to banks and customers using C#, kshell, PGP and FTP.
- Led team of 20 to audit and balance M&A integration of contract, claims and billing systems. Worked with business units and technology providers to adequately account for discrepancies.
- Provided architecture to mass load Excel documents into a J2EE, Weblogic, Oracle document management system.
- Managed four direct reports supporting migration and operations of claims systems their data warehouses and feeds for accounting, clients and banks (ETF and positive pay).
 - Migrated security, translating Active Directory accounts across domains for systems and MS Exchange Public Folders.
 - Migrated claim system to acquiring company's network.
 - Recreated source system reports for regulatory audit during data warehouse outage.
- Provided tax (1099, W2, 941) and ad hoc legal and business reports from Oracle systems.
- Defined packet filtering requirements for firewall on border network between buyer and seller to allow system network communications during migration phases.
- Defined, implemented and enforced SOX, COBIT and ISO 17799 policies and procedures.
- Defined requirements for business and system continuity and disaster recovery plans.

Compusulting Group, Inc. – Architect

September 2005 – October 2005

- Selected platform and defined architecture for a system interfacing RFID hardware, J2ME devices, .NET web service applications and custom medical hardware.
- Created UML diagrams defining system components, communications, processes and protocols.

CNA Financial Corporation - Architect

August 2002 – December 2003

- Integrated separate claims systems to single distributed OO, n-tier architecture using VB, DCOM/COM+ and Oracle. Coded user controls, screens, APIs and stored procedures.
- Documented existing and proposed architectures using UML and ER diagrams.
- Defined object model and interfaces for core system components.
- Led sessions with SMEs, BAs and developers to define and clarify system functionality.
- Performed project management duties including task definition, estimation and assignment.
- Authored technical specifications defining procedures, solutions and architectures.

- Redesigned and refactored application security combining disparate objects to a one component with a simple interface.
- Vetted and integrated 3rd party software products used for some system components.
- Performed information assurance audits throughout SDLC. Performed technical specification and code reviews to insure compliance with standards, frameworks and architectures.
- Consulted for compliance of business (HIPPA, OFAC) and security (COBIT, ISO 17799) regulations and standards for claims and contract systems.

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| LunchyMunchy.com – Architect | September 2003 – October 2003 |
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- Defined architecture for a web restaurant portal using ASP.NET and C#.
- Created UML and ER diagrams for classes and tables, authored technical specifications.

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| Wheels, Inc. – Architect | June 1999 – August 2002 |
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- Designed and coded a system automating emails using UML, IIS, ASP, VB and MS Exchange.
- Designed, coded and deployed web products using UML, IIS, ASP, VB, COM and SQL Server.
- Integrated web applications with back office accounting and legacy business systems.
- Vetted credit card processing vendors and integrated e-commerce transaction processing with ordering and accounting systems.
- Defined and enforced security policies and for web applications. Audited compliance with standards for architecture; security; and service agreements with vendors and customers.
- Performed system administration, capacity planning, stress testing and tuning of queries, code, databases, web and application servers.
- Worked with network engineers to enumerate system firewall packet filtering requirements.
- Performed business impact analyses and risk assessments for credit card processing and hosting web applications.
- Consulted with managers on project management, adaptation of new technologies, change control, 3rd party software purchases and software development policies and procedures.

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| BrandEra.com – Consultant | March 2000 – September 2000 |
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- Created ER and UML diagrams to document system architectures and integration with M&A systems and 3rd party software.
- Created project plan for Java platform migration of Apache / JRun to Websphere.
- Evaluated and recommend 3rd party software products for source code control, content management, rules based personalization, CRM and J2EE application server.
- Defined policies and procedures for web publishing and software development.

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| Quebecor World, Inc. – Architect | January 1999 – June 1999 |
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- Created system and database architectures to port VB / Access software to Citrix and Oracle.
- Designed ETL and DSS for data mart used for job scheduling and machine maintenance.
- Benchmarked data access methods, database drivers and performed capacity planning.

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| Information Resources, Inc. – Architect | October 1997 – January 1999 |
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- Defined system, software and data architectures for multi-threaded VB, Oracle application.
- Authored and coded screens, libraries, APIs, PL/SQL stored procedures and a VB ActiveX out of process server to thread database updates.
- Led design meetings with business users to create tech specs from functional specs.
- Performed system and query tuning for very large database (1TB+, billions of records).

Associations and Memberships

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| The Site of Big Shoulders – COO | June 1996 – Present |
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- Architected, wrote and implemented custom content management system using UML, Linux, Apache, MySQL, PHP and bash scripts.
- Defined business and publishing processes, policies and procedures.
- Administered and configured LAN and DMZ using TCP/IP, Cisco PIX Firewall and NIS/Ubuntu.

Education

B.S. in Computer Science from McCormick Engineering School at Northwestern University