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PROFILE

Experienced technology professional with a passion for researching new technologies and addressing business challenges with the most suitable architecture and implementation. Strong background in Windows/Linux systems programming, with emphasis on SaaS, IoT, Microservices architecture, and cloud-native, scalable solutions. Thrive on working in a team environment as a lead and a mentor that has successfully built and managed multiple globally distributed engineering teams.

EXPERIENCE

CTO and Chief Solution Architect

Jan 2010 – Present

CompuSight Corporation, Seattle, WA

Chief solutions and database architect helping design and implement multitude of software solutions for clients in insurance, finance, and healthcare industries. Regularly presented our solutions to the C-level executives and participated in educational series on Azure with Microsoft personnel.

- Systems integration and Service Oriented Architecture (SOA) design and implementation with insurance and healthcare clients such as Vertafore, Enstar, Alere Medical, UnitedHealth, Chrono Therapeutics, Soovu, etc.
- Implementation of the ETL processes using SSIS and custom C#/.NET components to bring in and normalize disparate data from multiple sources (Bloomberg, Reuters, etc.) used for the financial portfolio construction.
- Cloud solutions design and architecture primarily focused on Azure and AWS and using the components such as Web and Worker roles, Queues, Blob storage, SQL and NoSQL databases.
- Architected, designed, and developed database schemas, including tables, indexes, stored procedures, user-defined functions, triggers, and views on Microsoft SQL Server platform.

Systems Architect/Lead Developer

Sep 2008 – Jan 2010

Man Investments, Zurich, Switzerland

Owner and lead developer of main business application used by the research analysts, compliance team, and the traders in managing bond and bank loan trades. The application integrated with multiple external data sources feeding into the proprietary.

- Requirements engineering and gap analysis to replace a legacy business system.
- Platform installation and management of necessary components; code optimization, maintenance, and code reviews.
- Architecture and development of the Document Management System.
- Implementation of agile development practices e.g., TDD and refactoring in all projects.
- Set the Agile standards as one of the few certified Scrum Masters.
- Migration of multiple environments to a 64bit server platform.
- Multiple ETL and Business Intelligence processes implemented.
- Presented technology strategy and solutions to the C-level management.

Senior Software Architect

Jan 2007 – August 2008

BlackRock, Inc., Seattle, WA

My primary focus is design and development of the next generation risk management platform and applications for one of the leaders in investment banking. The next generation risk system is capable of parallel processing terabytes of market and holdings data resulting in billions of risk scenario data points to be analyzed on a Business Intelligence platform.

- Architected and developed a distributed application framework based on a grid model that is easily extensible and scalable.
- Used threading, reflection, and remoting to accomplish required scalability.
- Programmed network sockets allowing seamless communication with third-party Java based analytical server applications.
- Architected, designed, and developed database schemas, including tables, indexes, stored procedures, user-defined functions, triggers and views for optimal storage, data manipulation, and retrieval of data.
- Managed the SQL database cluster in a role of a DBA ensuring optimal performance and availability via file management, index tuning, failover clustering, and backup/restore strategy.
- Developed ETL procedures and processes that manage billions of rows of data stored and analyzed on the Business Intelligence platform.

Engineering Manager

Dec 2003 – Jan 2007

LexisNexis Applied Discovery, Bellevue, WA

My responsibilities included leading technical teams on customer engagements. As a technical team lead, I was responsible for working with the customer engagement team to identify requirements, working with the internal design team on creating the application design, and leading the implementation team in building the appropriate software.

- Created timelines and work estimates based on functional requirements while actively soliciting client feedback.
- Created reusable data and UI objects allowing system flexibility. Some examples include specialized ADO.NET data access and Web form control classes.
- Developed custom software/components and Web services using C#/.NET 2.0, ADO.NET, XML, ASP.NET and JavaScript.
- Actively coached junior team members.

Software Development Lead

Apr 2000 – Jul 2003

Quellos Group LLC, Seattle, WA

- Assumed a role of technical architect and team lead.
- Setup and development of the secure client Internet portal using RSA Secure ID.
- Developed custom software/components and Web services using C++, C#, SQL Server, ADO.NET, XML, and JavaScript.
- Extended the implementation of the third-party .NET components using C#.
- Served as a primary database designer. Performed data modeling using AllFusion ERwin 4.1.
- Researched and piloted new technologies.

Senior Software Engineer

Feb 1996 - Apr 2000

Microsoft Corporation, Redmond, WA

Designed, implemented, and deployed applications to Microsoft finance. Design and implementation of major components for the Microsoft's main Internet portal – microsoft.com.

- Database design and performance tuning.
- Object oriented design using Rational Rose.
- Development of Web interface(s) using ASP, ADO, VB, VBScript, and DHTML with JavaScript.

EDUCATION

Bachelor of Science (Cum Laude) – Computer Science

University of Washington

Areas of Interest: Cryptography, Distributed and Parallel Systems, Computer Vision, and Computer Architecture.

In Progress: Master of Science – Innovation and Entrepreneurship

HEC Paris

LICENSES & CERTIFICATIONS

Certified Scrum Master

Scrum Alliance