

Jason Bryce Thomas

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Visionary and results-oriented IT Senior Executive with demonstrated hands-on experience optimizing IT infrastructures. Adept in combining business-driven objectives with cutting edge technology, creating strategic and tactical direction focused on minimum investment and realistic solutions. Promote professional development of skilled, multi-tiered staff. Expertly plan and coordinate detailed tasks within quality standards, established deadlines, and budgetary requirements.

PATENTS

- System, method and computer program product for analyzing e-commerce competition of an entity by utilizing predetermined entity-specific metrics and analyzed statistics from web pages. #6,983,320. June 3, 2006.
- System and method for developing and interpreting e-commerce metrics by utilizing a list of rules wherein each rule contain at least one entity-specific criteria. #7,013,323. May 14, 2006.
- Method and computer program product for an online monitoring search engine. #6,401,118, June 4, 2002.

PROFESSIONAL EXPERIENCE

Finra: 2009 - Current

Principal Consultant

Brought in to architect and build high profile at risk projects with short time frames.

- Research a search solution for the existing Documentum WebTop installation as performance and scalability the built in search solution provided was not adequate. Implemented the user interface as a combination of new JavaScript (via JQuery) and changes to existing JSP pages. Wrote the middle tier as a java servlet which communicated via web services to .NET backend. The front end work has already been reused in other enterprise search projects at Finra.
- Constructing a contractor sourcing application in Microsoft Office SharePoint Server 2007 to track the process of hiring new contractors from the creation of the opening to generation to the generation of onboarding forms. This application was built using a combination of custom .NET modules to augment SharePoint capabilities, gather data from external systems, and to produce database schemas so the list structure could be appropriately modeled. System interacts with Exchange for mail, appointment scheduling, and free busy data.

DAVE Networks: 2006 – 2009

Chief Technology Officer

Architected and built a social networking and video exchange platform. Managed and hired in house developers, graphic designers, content ingestion staff, contract flash and dba resources, and outsourced teams in India. Controlled the technology roadmap, interfaced with external clients, reported to the CEO.

- Architected a rich social networking website platform whose features are the union of MySpace and YouTube. Instead of being a singular destination site, this platform is a custom CMS that runs client sites at the DAVE data center. Most site customizations can be performed in real time by web developers. More complex configuration such as content review workflow is stored in xml configuration. Business layer objects used to construct the web user interface are also exposed through web services so they can be consumed by 3rd parties who wish to make their use DAVE's services but construct their own user experience. This option has been chosen by groups who have constructed alternate interfaces in Flash,

HTML via Php and HTML via .NET. Designed and built background Windows services to handle ancillary site functionality such as video encoding, reporting, content ingestion via RSS and integration with CDNs.

- Work with media companies such as ABC, MGM, CBS, and Vin Di Bona about how DAVE products fit their media strategy. Learned their existing business process, content approval standards, rights clearance issues, and government standard such as COPPA in order to ensure that DAVE products matched their needs. Orchestrated work sessions, design and deployment that typically included the client, their CDN vendor, graphic design group, production and approval staff.
- Integrated banner and video advertising into the products. This working with video and banner ad networks such as YuMe, BBE, ValueClick, and Google to understand their processes around insertion orders and the metrics around the platform. Integrated these ad networks into the main platform (the site and flash embeddable player and a Windows Media platform) via ad serving software from both DART and FreeWheel. Architected methods to tie ad plays with the underlying content so that we could supply correct data to both content partner and the site owners so the proper revenue splits could be calculated.
- Architected a 60+ machine datacenter that supports DAVEs development, staging, and production environments. There are no single points of failure and scaling is accomplished horizontally. Designing a second disaster recovery datacenter which should allow for 99.99% uptime. Oversaw the creation of artifacts from diagrams to call center scripts, to the standard operating procedure. Heavy involvement in the selection of the COLO partner, hardware, and virtualization strategy.

Revolutionary Stuff, LLC: 2002 - Current

Founder and President

Develop, market, and license Internet applications and provides consulting services.

- Developed Swapper.NET, a peer to peer file sharing application. This application features both the Gnutella and BitTorrent file sharing protocols as well as Universal Plug and Play Audio Video standard, all via the rich plug-in model. Specified a number of additions to the core Gnutella protocol which were accepted into the standard and implemented by all major servents. The application was released to end users as shareware, where it was downloaded half a million times. The engine was licensed to two companies.
- Developing a new application that is a cross between Google Desktop Search and the Microsoft Outlook calendar. This pulls data from a variety to Internet data sources ranging from the National Weather Service to Vonage phone records. It contains a full text indexing engine and a presentation layer which allows the information to be digested in a timeline fashion.

National Association of Securities Dealers (NASD): 2003 – 2005

Principal Consultant

Lead consultant and architect working with Oracle, MQ Series, Windows DNA, .NET and Java technologies in development environment. Managed the full project life cycle ranging from scoping requirements, talking with subject matter experts, architecting solutions, and working then with contractors and IT to build and deploy applications.

- Provided project leadership and managed the requirements gathering, scheduling, architecture, development, and deployment phases of 5 projects.
- Designed key parts of the Forms Submission Framework that provided a simple and inexpensive way for groups to publish forms to external users and receive validated data into their backend systems. Implemented the XForms rendering engine, queue based delivery service, authorization services and provided integration help for existing system.

- Designed the PreExam data consolidation system that took a simple set of inputs from the users, requested data from multiple disparate systems, transformed the results, produced a single output, and then delivered the results back to the end user. Implemented the consolidator as a Windows service, and the plug-in architecture, that allowed these federated systems to add new reports by running their own web service adapter that conformed to our WSDL document and modifying a configuration file.
- Designed the next generation schedules system for our examiners that gave the business owner a simple way to design schedules and formulas, then through a simple mechanism, produce Excel files for examiners to use that supported concurrent access, supported offline and online access, and stored the data in a database so it could be mined. Created the XML Schema for describing a schedule. Implemented the program to transform the XML Schema into Excel file, the Excel add-in that managed concurrency and authorization, and the database schema and program to store the schedule data in a mineable fashion. Microsoft made an official request that a case study be created on our usage of their VSTO suite of tools and usage of the XML file formats used in this project.
- Instrumental role in spreading knowledge to other developers through presentations in the .NET developers lead meetings, the patterns meetings, and 1-1 sessions to train individual developers.

Cyveillance Incorporated: 1997 – 2001

Co-founder, Vice President of Technology, Member of the Board of Directors

Directed all MIS operations, had several direct reports, managed annual budget of \$4M. Developed the original technology, staffed the technology teams, architected subsequent versions, worked with clients, sales, and marketing teams to define new products. Regularly interfaced with senior executives clients including; Nielsen Media Research, RIAA, IBM, and ASCAP.

- Grew the technology department from 1 to 26 that included development, QC, and database teams.
- Oversaw the complete architecture of the system that included searching, workflow, computer based analysis, and reporting services. Backend systems were all distributed C++ apps running on cheap hardware in parallel. The user interfaces were AJAX systems written in JavaScript hosted in ASP. Our database grew to become the world's largest DB2 implementation on PC hardware. Implemented the initial versions of the systems and performed ongoing optimization, architecture, and code review.
- Interfaced with the internal marketing, client services teams as well as external customers and vendors to create new products and features.
- Featured in *Computerworld Smithsonian Laureate Collection* for Visionary use of Technology in 2000.

Microsoft Corporation: Summers of 1993, 1994, 1995, and 1996

- Developer during four summer internships at Microsoft while in college.
- Designed and implemented Cascading Style Sheet support in Internet Explorer 4.0.
- Established standardized parental controls and content filtering in Internet Explorer 3.0.
- Implemented client side Secure Socket Layer and inline video support for Internet Explorer 2.0.
- Other projects included the GDI work for the Pulsar handheld project (the precursor to PocketPC), automated build machines, and a disassembler for the PowerPC version of Visual Studio.

World Wide Web Consortium: 1996

- Developed and administered a user interface and configuration utility for the Platform for Internet Content Selection (PICS) Internet Rating System. Being brought in as an expert for AOL in a 2010 trial over to invalidate patent #5,987,606.

COMPUTER EXPERTISE

Microsoft .NET 1.1 - 3.5, Win32, C, C++, C#, DHTML, MVC, JavaScript, AJAX, Action Script 2, ASP, ASP.NET, SQL, DB2, Oracle, MQ Series, XML, XSD, XForms, VSTO, web services, JSP, SharePoint, Documentum.

EDUCATION

Massachusetts Institute of Technology

- Bachelor of Science in Electrical Engineering and Computer Science in May 1996
- Masters of Engineering in Electrical Engineering and Computer Science in May 1997
- Thesis Topic: iShare ~ Document Annotation and Version Control for the Internet