

Jay Thomas Styles

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Professional Profile

Over 20 years experience designing and implementing large-scale, distributed applications with on-shore and off-shore developers using agile delivery methodology. Currently focused on creating modern web applications using Angular client communicating with JSON API services implemented using both C# Web API and Java/Spring.

Technical Skills

- Programming: Java, .NET (C#, Visual Basic, ASP), Java EE (Servlets, JSP, EJB, JMS, JDBC, JNDI), Spring Framework (Boot, Core, Data, MVC, JMS), XML, HTML, JavaScript, CSS, SQL, CORBA, LDAP, C, C++, EDI, and UNIX Shell Script (sh, ksh, csh)
- Databases: Oracle, Microsoft SQL Server, IBM DB2, Sybase, Microsoft Access
- Applications: Eclipse IDE, Microsoft Visual Studio, Microsoft Visual Studio Code, Postman, Fiddler, Fortify SCA, Git/GitHub, Subversion, Node.js, NPM, TortoiseGit, TortoiseSVN

Professional Experience

Wells Fargo

Applications Systems Engineer

Charlotte, NC

April 2006 - Present

Development lead responsible for designing, building, and supporting applications within the Wealth and Investment Management (WIM) line of business. Worked with business partners to define and understand requirements and create functional designs. Worked in an agile environment with multiple scrum teams to deliver quality solutions. Led multiple onshore and offshore teams in developing robust and secure solutions across the annuities, insurance licensing, and IRA areas within WIM. Received the following awards and recognition:

Technology & Operations Group Top Performer (2014 and 2018), Wells Fargo Advisors Team Member of the Year (2019), and Wells Fargo Gold Coin Award (2009 and 2018).

- Designed and constructed web application used by financial advisors to determine if a retirement asset movement is in the best interest of the client. Created the initial prototype of Angular and .NET Web API application and led a team of offshore developers to create screens and integrate with multiple web service providers. Lead developer responsible for design, coding, unit testing, and code reviews of new web application that leveraged C#, Web API, and Angular and was hosted on Microsoft IIS.
- Migrated legacy ASP.NET web application to Angular and .NET Web API. Created the initial prototype of Angular and .NET Web API application and led a team of offshore

developers to migrate all legacy functionality to new framework. Lead developer responsible for design, coding, unit testing, and code reviews of updated web application that leveraged C#, Web API, and Angular and was hosted on Microsoft IIS.

- Designed and constructed batch application to extract PDF attachment information from incoming XML files and transmitting PDF documents to enterprise image repository. Lead developer responsible for design, coding, and unit testing of new batch application written in C#.
- Designed and constructed web application used by financial advisors to view retirement planning information submitted by customers. Lead developer responsible for design, coding, and unit testing of new web application that leveraged C#, Web API, and Knockout and was hosted on Microsoft IIS.
- Designed and constructed web/workflow application used by annuity operations to review annuity documentation. Led team of developers to create a new Java web application which integrated with enterprise workflow and image web services. The application was implemented in Java/Spring and hosted on WebSphere and later migrated to JBoss.
- Designed and implemented web services application integrating external annuity vendor applications with internal brokerage applications to retrieve brokerage account information and validate licensing and sufficient funds. The application was written in Java/Spring and hosted on WebSphere and later migrated to JBoss.

TIAA-CREF
Consultant

Charlotte, NC
October 2005 - April 2006

Responsible for designing, constructing, and supporting systems delivering financial guidance and advice in the advisory services division. Worked closely with business partners and external vendors to develop requirements, functional designs, and integration strategies.

- Designed and constructed advisory services web portal application. The application provided authorization and authentication of users and customized presentation layout and content based on user role. The application was a J2EE/Struts web application running in BEA WebLogic.
- Designed and implemented web services integrating vendor applications with internal record-keeping and securities systems. These services transformed TIAA-CREF client data into vendor specific formats and performed audit functions. The application was a J2EE/Axis web application running in BEA WebLogic.
- Coordinated performance testing of advisory services web applications with testing and monitoring groups.

Bank of America
Applications Programmer/Consultant

Charlotte, NC
December 2001 - October 2005

Corporate Treasury Technology (2004)

Responsible for design, construction, and support of BAATS (Bank of America Asset Tracking and Allocation System). BAATS is a Java/CORBA application that tracks all assets within Bank of America for collateral management. Worked with business partners to refine requirements and deliver detailed designs. Assignments included the following:

- Responsible for creating detailed designs and schedules for enhancements including query profile builder and archival/audit. Led groups of contractors in creating functional specifications and constructing screen mockups. Lead developer in construction and deployment of enhancements.
- Designed and implemented extraction functions to extract loan and securities information from several Bank of America data marts into BAATS. The data marts included The W, CTDM, and Compass.
- Worked closely with LINX system to develop loan processing center extract to enable FRB qualification of loans.
- Developed several database optimization routines to efficiently load large data sets into databases.
- Responsible for monthly releases to production including coordination of testing resources.

Consumer Real Estate Technology (2001)

Responsible for designing and implementing mortgage systems for the consumer real estate division. Provided guidance and supervision to developers with daily tasks and career growth. Worked closely with business partners to achieve results that aligned with business objectives. Provided assistance to project management in estimation and scope determination.

Assignments included the following:

- Senior developer for a web application that allowed mortgage fulfillment associates to display and interact with a work queue. The application was a J2EE/Struts web application running in WebSphere Application Server and using Fujitsu i-Flow Business Process Management engine. Responsible for design and construction of web application and workflow processes.
- Technical lead and senior developer for .NET client application that provided a simpler, streamlined interface to existing legacy mainframe-based fulfillment system. The application consisted of several C# and Visual Basic modules communicating to the fulfillment system through client-side screen scraping libraries, server-side screen scraping libraries, and web services.
- Performed architectural assessments of consumer real estate applications and defined future capabilities and direction.
- Technical lead and senior developer for web application that allowed online customers to apply for consumer mortgages and receive a point-of-sale decision. The application was a J2EE/Struts web application running in WebSphere Application Server and communicated with external credit bureau, decisioning, and fulfillment systems. Responsible for design, construction, and deployment into production. Managed over ten developers and tracked actuals against the project plan. Technical contact for business sponsors, quality assurance, and infrastructure.

- Senior developer for web application that allowed bank branch employees to collect consumer mortgage applications and provide an immediate decision to the customer. The application was a J2EE/Struts web application running in iPlanet Application Server and later ported to WebSphere Application Server. Responsible for design, construction, and deployment into production. Provided leadership and guidance to less experienced team members. Constructed JSP pages, business services, interface services, object-relational data access layer, and simple workflow framework.

GE Power Systems eOperations
Architect Developer

Huntersville, NC
 September 2001 - December 2001

Responsible for creating frameworks and tools for the operations environment and working with developers to resolve performance and scalability issues. Assignments included the following:

- Performed code reviews on applications to find scalability issues (such as open connections to database and LDAP server).
- Worked with several development teams to perform heap and performance analysis using JProbe with WebLogic.
- Constructed web application to provide eOperations with an application that can be deployed on server upgrades to verify server compatibility and robustness.
- Automated build process using Ant and integrated process with CVS repository.
- Constructed EJB application that enabled remote viewing of log files.

Digiquant, Inc.
Engineer

Charlotte, NC
 November 2000 - June 2001

Responsible for designing, constructing, and delivering customizations for the IP rating and billing application (Internet Management System) to large telecommunication companies.

Assignments included the following:

- Constructed CORBA interfaces to the mediation and rating engines implemented in Java.
- Constructed Java GUI application (using JFC) to test functionality and performance of Internet Management System when deployed at client locations.
- Constructed custom dynamic HTML screens for clients using Java servlets.
- Performed customizations to existing SilverStream user interface.
- Created high-level and detailed design documents (consisting of UML use cases, sequence diagrams, and class diagrams).
- Created proposals and time estimates for potential clients.

The Revere Group
Senior Consultant

Charlotte, NC
 January 1998 - November 2000

Responsible for researching and evaluating the latest technologies in order to make recommendations to clients and other consultants. Specific assignments included client

development efforts ranging from client-server to internet-based applications. Consulting highlights include the following:

- First Union, Charlotte, NC (2000): Technical advisor and developer for Java servlet and queue broker framework running on iPlanet Application Server. The application provided a data access layer for a rules engine used to automatically approve small business loans. The communication between the rules engine and the data access layer used XML messages sent over MQSeries.
- First Union, Charlotte, NC (2000): Provided support and enhancements for two existing online banking projects. Responsible for maintaining and developing Java servlets connecting to back-end applications running on Solaris, Windows NT, and OS/390 using CORBA and XML.
- W. L. Gore, Newark, DE (2000): Validated enterprise-wide web standards for future development projects. Responsible for evaluating possible company standards that included Allaire Spectra/ColdFusion, Hummingbird, BroadVision, and Microsoft Visual InterDev and constructing detailed work estimates.
- Haworth Furniture, Holland, MI (2000): Lead technical programmer in the technical architecture, design, and proof-of-concept of a web-based order entry system that provided integration with an existing order entry system running on an OS/390 mainframe. Application integrated with SiteMinder for authentication and authorization. Responsible for transforming functional requirements into detailed technical design, allocating and assigning tasks to team members, constructing detailed work estimates, configuring server development environment, and developing Java servlets, JSPs, and HTML pages. Performed evaluation of SiteMinder within Oracle Application Server environment on HP-UX.
- National Transportation Exchange, Downers Grove, IL (1999-2000): Participated in the requirements, design, construction, testing, and deployment of a web-based transportation exchange application. Responsible for gathering functional requirements, transforming functional requirements into detailed technical design, providing leadership with design using UML and Rational Rose, and developing web applications using ASP, Visual Basic, and MTS. Received special recognition award for providing outstanding client service to National Transportation Exchange.
- Arrendale Associates, Mooresville, NC (1999): Participated in the proof-of-concept, requirements, design, construction, testing, and deployment of a Java medical transcription workflow application. The application consisted of a Java client application that communicated over an encrypted TCP/IP socket to a Java middleware application running on an AS/400. The Java middleware provided an interface to an existing RPG transcription workflow application. Responsible for gathering functional requirements, transforming functional requirements into detailed technical design, and developing a Java GUI application and Java middleware server using VisualAge for Java.
- Bank of America, Charlotte, NC (1998): Designed and constructed data extraction program to load human resource, personnel, and mortgage qualification information from PeopleSoft/Oracle into Access for departmental report generation. Designed and constructed an Access application that allowed users to route reports to desired

personnel within the organization. Responsible for designing and constructing SQL queries, constructing batch files to automatically run SQL queries, constructing UNIX shell scripts to automatically load data into PeopleSoft/Oracle, and interfacing with several department leaders to determine requirements for the report routing application.

- Cardinal Logistics, Concord, NC (1998): Lead technical programmer for an electronic data interchange (EDI) conversion application. The application converted EDI 830 transactions into transportation orders used to route materials to their destinations. Responsible for designing and implementing the database schema, business logic, and conversion programs with Oracle and Visual Basic. Performed unit, system, and integration testing in an environment that consisted of AS/400 and Windows NT servers.
- Internal Project, Charlotte, NC (1998): Designed and constructed a knowledge repository that allowed company's internal documents to be viewed by employees through a web browser. The types of documents stored and displayed included human resource documents and employee profiles. The application used Java servlets to handle requests and generate responses and used a Sybase database to store documents and other relevant information.

Education

University of North Carolina at Charlotte
Bachelor of Science in Computer Science

Charlotte, NC
1997

Certifications

- Sun Certified Java Programmer
- Certified ScrumMaster
- Certified Scrum Developer