

Seth B. Chisamore

Professional Profile

Seth has a breadth of skills that cover the full life cycle of application development, from cutting edge RIA/AJAX front-end technologies, to complex Service Oriented Architectures leveraging the latest Agile/LAMP/JEE best practices. This unique skill set allows him to adapt quickly to the demanding tasks of today's multi-vendor, technically complex, systems development world.

Employer History

May 2008 – Present | Fox Interactive Media

Senior Software Engineer – FIM Audience Network

June 2000 – May 2008 | IBM Customer Experience, Branding and Usability Design (CEBUD)

Senior IT Specialist – Kiosk Software Practice

- Responsible for technical direction of the IBM CEBUD Kiosk Software Practice and has recently transitioned the team to a Ruby on Rails based development platform.
- Core member of the IBM CEBUD Technical Leadership Team, which is responsible for shaping a consistent technical strategy, direction, and message across all IBM CEBUD practices.
- Core member of the CEBUD Web 2.0 Strategy Team, which is responsible for sale's presentation material and development best practices focusing around the emerging Web 2.0 marketplace
- Please refer to "Recent Assignment History" below for project details.

June 1999 – August 1999 | Technology Services Group, Chicago, Illinois

Systems Consultant

- Developed document management applications using Documentum, Active Server Pages and COM objects.
- Created a patent capture application for a major pharmaceutical company.

April 1998 – May 2000 | Notre Dame College of Business, South Bend, Indiana

Lab Administrator / Lead Developer

- Administered 30 computer Windows NT network. Managed user accounts, network architecture, and web services.
- Designed and implemented an MIS Alumni web page and database using Active Server Pages, JavaScript and HTML. Developed an online auction application using Microsoft SQL Server and Active Server Pages.

Education and Background

- BA in Management Information Systems (MIS), University of Notre Dame, 2000

Patents and Publications

- "Minutiae fingerprint transactions" - [20060159316](#)
- "Grid Licensing Server and fault tolerant grid system" - [20060282519](#)

Seth B. Chisamore

Skills Summary

Languages:	Ruby, Java, PHP, XML / XSL, XHTML / DHTML, JavaScript / AJAX / DOM, CSS, RegEx, Perl, VB.Net
APIs / Frameworks :	Ruby on Rails, JEE, JSE, JME, SOA, SOAP/HTTP, REST, XML-RPC, Apache Axis, Struts, Spring, Hibernate, Restlet, Log4j, JasperReports, JUnit, JiBX, Joomla
RIA / AJAX	Prototype, Scriptaculous, Rico, Dojo Toolkit, MochiKit, Yahoo UI, Adobe Flex
RDBMS:	MySQL SQLite, DB2, Cloudscape / Apache Derby, Oracle, DB2 Everyplace, Microsoft SQL Server, Microsoft Access
Messaging:	JMS, WebSphere MQ / MQ Series, WebSphere MQ Everyplace, MSMQ
Web / Application Servers:	Apache HTTPD, Mongrel, Apache Tomcat, Apache Geronimo, WebSphere, JBoss, Microsoft IIS
Development / Design Tools:	Capistrano, Subversion, CVS, Apache Ant, Apache Maven, Eclipse, Aptana, Rational Application Developer, Microsoft Visual Studio, UML / Rational Rose / XDE, Microsoft Visio, Adobe Flash, Adobe Photoshop, Vtools, Nullsoft Scriptable Install System
OS:	*NIX (Linux, AIX, Solaris and OSX), Windows XP/2000/NT/9x
Hardware:	x86 Intel, IBM Netvista Kiosk / POS, IBM Anyplace Kiosk, Symbol Handhelds, IBM Everywhere Display

Recent Assignment History

Lead Developer, Large US County Government

- Developed a highly dynamic GIS (geographic information system) mash-up utilizing data from the Google Maps API and existing customer legacy systems. The GIS application is a first of its kind Ruby on Rails deployment on z/Linux running on IBM zSeries 990 mainframes.
- Led Ruby on Rails training for large customer and IBM teams.
- Coached customer technical teams on SOA best practices.
- Tools utilized: Ruby on Rails, Google Maps API, AJAX, Mongrel, Apache HTTPD, Capistrano

Lead Architect / Developer, RecycleBank

- Developed an incentive based recycling kiosk using the Ruby on Rails platform.
- Showed architectural leadership by creating API specifications (and implementations) for both backend XML-RPC services and client-side kiosk device code.
- Coached customer technical teams on API design and best practices.
- In depth project information and media coverage can be found at <http://seth.chisamore.com/2008/02/20/recyclebank-kiosks-are-live/>
- Images of the completed kiosk can be found at: <http://flickr.com/photos/chisamore/tags/recyclebank/>
- Tools utilized: Ruby on Rails, Mongrel, Apache HTTPD, Capistrano

Developer / DBA, Smithsonian: National Museum of African American History and Culture

- Developed a fully moderated community-based website that utilizes many "Web 2.0" mechanisms including user submitted content (photos, audio and text), tagging and favorites.
- Responsible for the creation of a custom Capistrano script to do complex multi-server deployments and builds.
- Site is live at: <http://nmaahc.si.edu/>
- Tools utilized: Ruby on Rails, Mongrel, Apache HTTPD, Capistrano

Seth B. Chisamore

Lead Architect / Developer, Major Retailer

- Developed a beauty advisor kiosk for nationwide use in a major retail chain's makeup department.
- Designed and developed a sale's advisor REST API, that was consumed by a media-rich Flash UI. Reusable API will be leveraged for future retail engagements.
- Tools utilized: Restlet, WebSphere Community Edition (Apache Geronimo), Apache HTTPD

Lead Architect / UI Developer, IBM Retail EBO

- Integral member of an IBM team tasked with creating a marketable retail solution utilizing the IBM Research Smart Surveillance System (S3) project.
- Developed and designed a highly interactive AJAX-based user interface on top of the S3 XML-RPC API.
- IBM S3 project information: <http://www.research.ibm.com/peoplevision/>
- Tools utilized: DHTML, AJAX / JavaScript (Yahoo UI, MochiKit), Apache HTTPD

Architect / Developer, Lifestyle Family Fitness

- Developed low level device code for health club kiosk using VB.Net. Devices included: scale, blood pressure cuff, body fat device and barcode scanner.
- Code provided a common interface for all device types and shielded the complexities of the RS232 and USB communication protocols from the development team.
- Images of the completed kiosk can be found at: <http://www.flickr.com/photos/chisamore/tags/lifestylefamilyfitness/>
- Tools utilized: VB.Net, Visual Studio 2005

Developer, EternalEgypt.org

- Integral member of a specialized IBM team that developed a complex real-time 3D kiosk application with a J2EE backend for data processing and collection. Kiosks deployed worldwide in participating museums and allow visitors to explore ancient Egyptian landmarks in real-time 3D.
- Aided in Virtools Scripting and behavior creation for real-time animation and interactivity of complex Maya 3D models.
- Created a unique J2EE based backend architecture that allows kiosk to run in disconnected mode and synchronize all data to a central server when a network connection is present.
- Created a custom kiosk installation system using Nullsoft Scritable Install System (NSIS). Installation system allows a multitude of different hardware configuration to be used and ensures application code and all supporting applications are installed and configured correctly.
- Created a custom reporting engine using Jasper Reports. Reports will be used in deciding success and usage trends of kiosks.
- In depth project information can be found at the [Eternal Egypt website](#).
- Images of the completed kiosk can be found at: <http://www.flickr.com/photos/chisamore/tags/eternalegypt/>
- Tools utilized: J2EE, Struts, Spring Framework, Jasper Reports, DHTML, JavaScript, Virtools, Nullsoft Scritable Install System, Tomcat, DB2, Cloudscape

Seth B. Chisamore

Architect / Developer, IBM Retail EBO

- Integral member of an IBM team tasked with creating a marketable retail solution utilizing the IBM Everywhere Interactive Display.
- Developed an object-oriented JavaScript API on top of the Everywhere Interactive Display XML-RPC API that was utilized by researchers and consultants throughout IBM.
- Utilized this API to develop numerous proof of concept AJAX applications taking advantage of the EIDs unique features.
- Everywhere Interactive Display project information: <http://www.research.ibm.com/ed/>
- Tools utilized: DHTML, AJAX / JavaScript, MSMQ

Developer, Major Consumer Electronics Company

- Mentored a team of 15 on open-source J2EE development best practices.
- Developed a user registration management system using JMS, DB2, Spring Framework, Struts and Hibernate.
- Tools utilized: J2EE, JMS, Struts, Spring Framework, Hibernate, JUnit, WebSphere, DB2

Lead Architect / Developer, NYC2012

- Designed and developed a media rich kiosk/server infrastructure for promotion of New York City's bid for the 2012 Olympic Summer games.
- Kiosk UI implemented in DHTML, JavaScript, Macromedia Flash and Java Applets with a J2EE backend for data processing and data collection. Java Media Framework was utilized for capture and processing of video stream from kiosk camera.
- Unique architecture allows kiosk to run in disconnected mode and synchronize all data to a central server when a network connection is present.
- Images of the completed kiosk can be found at: <http://flickr.com/photos/chisamore/tags/nyc2012/>
- Tools utilized: J2EE, Java Media Framework, Struts, DHTML, JavaScript, Adobe Flash, Tomcat, DB2, DB2 Everyplace

Architect / Developer, Tryscience.org

- Created a custom XML based messaging system which allowed for two-way communication between a highly interactive kiosk application and server.
- Designed and implemented an automated reporting process for analyzing log data and kiosk statistics.
- Images of the completed kiosk can be found at: <http://flickr.com/photos/chisamore/tags/tryscience/>
- Tools utilized: Java, Perl, XML, JiBX, Ant, Jasper Reports, DHTML, JavaScript, IBM HTTP Server, DB2

Lead Developer, Major Tire Manufacturer

- Led development of a tire selection kiosk solution. The kiosks was placed in major warehouse clubs nationwide allowing customers to select the correct set of tires for their vehicles, ensuring the safety and performance of their vehicle, while bolstering the manufacturer's sales.
- Responsible for designing and implementing a media rich user interface, an Apache Ant based install system and a web-based reporting system.
- Tool utilized: J2EE, Struts, Ant, JasperReports, DHTML, JavaScript, Adobe Flash