

Michael Salera

SUMMARY OF EXPERTISE

Mr. Salera is a technical architect with extensive knowledge and over 12 years of hands-on experience in the following areas: object-oriented design and development, architecture and systems design, e-commerce site implementation.

GOALS

Software architect or technical lead role within a responsive, innovative product-focused technology shop.

- Apply experience in financial services to design and build industry solutions.
- Evaluate and select best-fit application development stacks appropriate for teams.
- Lead by example by making use of chosen frameworks.
- Mentor developer colleagues – excellence attracts other high caliber developers, technical writers, database architects, etc.

PROFESSIONAL EXPERIENCE

Taulia – eInvoicing and REST API Development – San Francisco, CA

2011 - present

- Architected and developed EDI.810 document gateway supporting 100k invoices/year to post via automated process. Utilized two Grails applications one to act as file gateway/monitor and the other for Invoice validation and storage.
- Added features to core platform, and Supplier Self-service Portal. Such as Custom Buyer Settings, Dynamic Payment Terms support, message management, Image conversion, and multi-language/Locale support.
- Enhanced platform automated test capabilities and developed interaction test framework for testing components that integrated with ERP (SAP Financials).
- Developed custom business audit trail plug-in using MongoDB and Hibernate events mapping. Allows Domain objects to add audit capability as GORM property with minimal coding.
- Mentored junior developers and QE teams to effectively write Selenium and functional tests to make best use of the Grails framework in development and test environments.

Federal Reserve Bank of SF – Identity Management (IdM) Development – San Francisco, CA

2008 – 2011

- Developed and supported User, Account and Group provisioning web applications for bank-wide use.
- Added common components: iBATIS, Dozer bean mapper, and Apache Commons into main web application.

- Enhanced and modernized report delivery application written in Struts/Tiles. Developed new reporting enhancements against meta directory and custom data warehouse, making use of Spring framework, JasperReports and DAO pattern.
- Mentored four developers and contractors in their Java enterprise development efforts to learn IdM architecture.
- Arch. Review Board - Presented on topics of interest to developer community such as AppFuse, GWT, mobile, etc.
- Arch. Review Board – Selected to travel to FRB of Dallas to present on productivity of app development using Grails platform, etc.

Union Sq Internet Development – New York, NY

2004 – 07

- Developed and supported applications for Corporate Intranet use.
- Enhanced custom client application UI written in FOXRuby for HSBC Securities Corp.
- Supported developers remotely.

Technologies Utilized:

- Java, J2EE, Servlets/JSP
- IBM/Lotus Domino
- Ruby 1.8.x with FOXRuby

Sony Music Entertainment – New York, NY

2002 – 2003

- Sony redesigned the SonyMusicStore online which allows consumers to browse and purchase CD / SACD / DVD / Video titles, to compete with other direct marketing sites like CDNOW.
- Developed checkout, order processing, order history, credit card authorization interface, and related functionality.
- Contributed build scripts, unit tests for continuous integration environment.
- Automated digital content updates formerly run using SQL loader into nightly product catalog updates from RioPort.
- Mentored junior developers on commerce platform and architecture.

Technologies Utilized:

- Java, J2EE, Servlets/JSP, JSTL, Struts 1.0
- Session Enterprise Java Beans (EJB2.0)
- JDO-based Bridge for accessing Oracle backend
- BEA WebLogic 8.1 Application Server Clustered
- Verity K2 Search

Atrix / [Deutsche Bank FX](#) – New York, NY and London, UK

2001 – 2002

Buy-side API enabled corporate Treasury departments (or systems integrators) to build robust connections to the Atrix dealing engine. These connections provide full workflow automation by enabling the member's system to authenticate a user, automatically request a quote, and receive resultant quote and trade messages.

- Designed, coded and unit tested HTTP proxy to Dealing application and messaging servers.
- Designed XML schemas used for outbound messages.
- Used protocol for passing 'methodName' and parameters in lightweight SOAP-like protocol using standard HTTP POST. Client connected using VB6.

Technologies Utilized:

- Java, Servlets, JSP, JMS and Enterprise Java Beans (EJB), VB, VBA.
- BEA WebLogic 5.1 Application Server
- Apache Tomcat 4.0.1 application server w/Apache web server and mod_proxy
- JDBC for accessing Oracle 8.1.6 database using custom ConnectionPool.
- Integrated authentication and access control using Netegrity SiteMinder.

[Starpoint Solutions](#) – New York, NY

2000 – 2001

Project: e-STEEL Metals Marketplace

- Implemented generic guaranteedInvoke() Web Service using webMethods 3.1 Java API.
- Wrote Java Inventory Persister as Session EJB (WebLogic Server 5.1), significantly improving usability and performance.
- Integration with buyers/sellers on Exchange using XML, metals industry DTD, XML Schema, and related technologies.

[MetaMatrix](#), division of RedHat – New York, NY

1999 – 2000

- Managed and contributed to the development of Java Swing Drag-n-drop applications including: query-enabled spreadsheet application, Time & Sales (tick data) viewer, charting and news. Applications utilized IBM Lotus eSuite components.
- Contributed to configurable Java Swing client/container responsible for hosting custom JavaBeans as well as arbitrary Applets. Workbook metaphor is used to partition the user's workspace and save state automatically between sessions.

- Designed and implemented Java Servlet-based middleware interface to allow applications written in non-Java environments (e.g. Visual Basic /C++) to invoke EJB server on WebLogic 4.5.1. Utilizes XML, java.net.Socket, ThreadGroup etc.

Technologies Utilized:

- Java, Servlets, JSP, Enterprise Java Beans (EJB), Serialization
- BEA WebLogic 4.5.1 Application Server
- JDBC for accessing PostgreSQL database
- HTML and Java Swing components as user interfaces

SwissRe America – New York and Armonk, NY

1996 – 1998

- Worked with CSC on major Alternative Risk Transfer (ART) project – involved with entire project life cycle from Lotus Domino prototype of the Deal Folder, to consulting with CSC architects and developers on Java-based version of ART workstation.
- Designed and developed several Domino applications including SRA Telephone Directory, an internal White Pages for Americas-wide use; Account Assignment, a work-in-progress tracking system for use by Claims department.
- Integrated document management applications written in Lotus Domino with Oracle relational database.

Chase Manhattan Bank – New York, NY

1994 – 1995

- Designed new Lotus Domino infrastructure to support email and application development for Chase's new 1000-position trading floors.
- Developed Change Control document management application in Lotus Domino for use in managing trading floor upgrades.

Accenture, fka Andersen Consulting – New York and Pleasantville, NY

1992 – 1994

Project: Smith Barney Whole Loans Trading System

- Coded C++ services using Sybase Open Server architecture, coded Motif windows, wrote Sybase System 10 stored procedures.
- Supervised two consultants and one SB programmer as senior developer.

Project: Smith Barney Statistical Summary & Morning Call Systems

- Established new client-server development environment in SB Research using PowerBuilder on Wintel PCs, Sybase 10 and Lotus Domino running on Solaris servers.
- Wrote utility for Morning Call application using PowerBuilder and

PowerBuilder Library for Lotus Notes API, for publishing to external vendors.

Technologies Utilized:

- C/C++, PowerScript (PowerBuilder), Sybase 10, awk scripting
- Internally developed CASE tools and Design/1 methodology

EDUCATION

B.A. 1992 Computer Science

New York University – Courant Institute of Mathematical Sciences

University of Pennsylvania – School of Arts & Science

Reading seminar in History of Science & Technology (Spring 2007).

UC Berkeley Extension (continuing education) courses:

Next Steps: Spring, Hibernate - Summer 2008

Next Steps 2: Spring, Hibernate, Seam - Spring 2009

OO Structure and Design Patterns – Allen Holub - Spring 2009