

JOSEPH J. MARINI

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Summary

Experienced Java software engineer with a passion for software development!

Who for the last 10 years has specialized in user interfaces (UI), developing both Web and Desktop applications.

I typically assist UI groups with advanced research and architecting UI infrastructures.

Additionally I assist and train UI software engineers with respect to development and the UI architecture.

I solve the more advanced UI issues. I have also taught Java and JSP programming at the college level.

- Technical lead aptitude skills, commitment, and experience
- Extensive Java, designing and coding with emphasis on infrastructure
- Code and design software for easy maintenance for life
- Experience creating tailored JSF or Swing components for advanced UI applications
- Ability to work collaboratively
- Commitment to achieving corporate goals
- Strong white board, communication and writing skills
- Exceptional organizational skills

Skills

Languages: Java, C++, C

Technologies: Java JDK 1.6, Eclipse, Java Server Faces (JSF), MyFaces, Rich Faces, Prime Faces

Tomahawk, Facelets, Tiles, JSP, GUI, Java Beans, Spring, J2EE, XML, XSLT, XHTML, CSS, JavaScript, SWT, JFC/Swing, OOD, OOP, UNIX shells

Tools: Eclipse, MyEclipse, NetBeans, Netbeans RCP, IntelliJ IDEA, IBM RAD Eclipse, JUnit, Ant, Visual SourceSafe, Clear Case, CVS, Accurev, PVCS, SVN, TOAD, Firebug

Databases: DB2, Oracle 9i/10g

Operating Systems: Windows, Unix

Smart Phone Technologies: Android

Networking: SNMP, TCP/IP

Browsers: Internet Explorer, Fire Fox, Google Chrome, Safari

Web Servers: Tomcat, Glassfish, IBM WAS 6.1, Weblogic, JBoss

Teaching Technologies: Angel, Blackboard

Engineering Skills

- Technical lead with hands on development
- Advance researching new technologies and the application of software patterns
- Mentoring engineers
- Assisting engineers with resolutions to development issues
- Teaching engineers new technologies, solutions and software patterns

Teaching Skills

- Java programming, adjunct instructor Daniel Webster College Nashua, NH
- JSP programming, adjunct instructor Daniel Webster College Nashua, NH

Education

M.S. Computer Science, Rivier University, Nashua, NH - Graduated Honors

B.S. Computer Science, Boston University, Boston, MA

PROFESSIONAL EXPERIENCE

Massachusetts Institute of Technology Lincoln Laboratory Lexington, MA **Contract Java Software Engineer**

07/2010 - present

Project: Developing Netbeans Rich Client Platform plug-in map application.

- Created base Netbeans RCP application project.
- Added map view to base Netbeans RCP application.
- Developed message notification manager, displays messages from client modules.
- Developed map manager and map view.
- Developed layers configuration manager, displays list of configured map layers.
- Developed generic context popup manager, objects selected display a context menu.
- Developed a number of text field filter models
- Developed a number of object model dialogs using dialog helper
- Developed dialog helper to assist the engineer in developing dialogs for Netbeans RCP
- Developed a number of UI object model dialogs using dialog helper
- Developed generic displayer allowing any type of object to display its information
- Developed check box tree architecture, which can be used with or without checkbox's
- Developed a number of views using the check box tree component
- Re-factored thread issues with respect to back end data processing, and UI updates.
- Re-factored a number of modules to use a Netbeans lookup service approach to communication.
- Ported graph visualization relationship tool view to Netbeans RCP application.
- Added tree view of graph visualization relationship tool.
- Utilized Netbeans plug-in approach for map application modules to plug into an existing map application.
- Developed Web Start/JNLP launch able map applications with in Netbeans.
- Re-factored graph visualization module loading and added support for graph marginalization.
- Developed support for associating objects, along with a UI tree display of those objects.
- Added support to color place mark objects by attribute.
- Developed UI to support a task priority scheduler within the map application utilizing the multi suite environment.
- Developed table architecture allowing, editors, renderers, and bean models to be configured, and supports sorting.
- Created a number of new UI components, using JFC/Swing, tailored for the map application UI environment.
- Researched and developed multi suit project development environment within Netbeans dependency architecture.
- Based on the research of multi suit project environment developed two new projects.
- Ported project to Netbeans 7.4 and Java 7
- Continually refactoring and updating the UI and back end data processing for the map application.
- Continually consult and educate engineers on Netbeans RCP architecture and usage.
- Continually educated the engineers on best practices for Java and Netbeans environment.

Project: Developed Web application to parse documents for specific user information.

- Developed generic bread crumb component.

Project: Android application, event reporting application

- Wrote the UI designed specification detailing the UI screens for the application.
- Developed UI for event reporting application
- Developed common menu system infrastructure
- Developed new transports for sending information

Project: Android application, communication control and sensor entity application

- Designed, and developed UI for controller and sensor entity
- Developed tablet based android applications
- Re-factored UI for control program.
- Re-factored application messaging system to allow interoperability between Android and Windows
- Added a number of menu dialogs for easy configuration of both applications

Project: Porting Android application, communication control and sensor application to windows platform

- Ported Android control application program to windows using Swing UI
- Ported Android entity sensor application program to windows using Swing UI
- Ported application messaging system allowing interoperability between Android and Windows
- Designed a number of preference dialogs for easy configuration of both applications
- Updated Android control and entity sensor applications to use active MQ
- Updated messaging system to latest version, for control and entity sensor applications.

Project: Task prioritization project. (2013)

Allows a task to be prioritized, based on a perceived level threat.

- Developed as part of the Netbeans Rich Client Platform plug-in map application.
- Added a number of new modules to support task prioritization.

Project: Designed new project based on multi project research within a Netbeans RCP environment. (2013)

The project schedules aviation flight tasks for a specified period of time sensing ground activity.

- Created the base Netbeans project suite and project modules.
- Ported modules from the Netbeans Rich Client Platform plug-in map application to support project requirements.
- Designed and developed a number of UI views.
- Added additional support to move up and down table architecture.

Project: Document Text searching project. (2013 – 2014)

The project allows a user to search for documents based on time and geographic region.

- Developed as part of the Netbeans Rich Client Platform plug-in map application.
- Added a number of new modules to support document text searching.
- Designed and developed a number of UI views.
- Developed a document text association displayer utilizing the table architecture.
- Added additional support to move up and down table architecture.

Project: Document Entity based project. (2014)

The project allows a user to associate an entity with another mapped based object or graph based object.

- Developed as part of the Netbeans Rich Client Platform plug-in map application.
- Developed a new entity module, allowing grouping of different entity types, and supports a tree display view of types.
- Added map and graph support for new entity module.
- Added user name support to all modules updating each modules back end data model.

Project: Developed Rich Client map application for sensing land devices. (2014)

- Ported table architecture from the Netbeans Rich Client Platform plug-in map application.
- Updated table architecture fixing a number of rendering issues.
- Ported a number of UI components from the Netbeans Rich Client Platform plug-in map application.
- Architected the majority of the UI.
- Developed three table views associated with specific objects.
- Developed the base move up-move down table, allowing consume to move an entity up and down the table rows.
- Refactored existing views for easier maintenance and updating.
- Added a number of control managers designed as singletons for each accessing and updating.
- Added save and restore column configurations to the table architecture

Massachusetts General Hospital Boston, MA**Contract Java Web Software Engineer****04/2010 - 07/2010****Project:** Developed, re-factored data extraction tool, web application for retrieving patient research data.

- Participated in the business requirements sessions and presented UI views.
- Designed and implement wire frame view data flows using the Netbeans IDE.
- Research, designed and implemented table data provider for producing a dynamic JSF table.
- Designed and implemented all data provider models for UI components table and select items.
- Designed and developed UI screens using JSF, Facelets, Rich Faces, Prime Faces, JavaScript, and XHTML.
- Migrated web applications to JSF 2.0.

INFOMEDICS Reading, MA**Contract Java Web Technical Lead Software Engineer****10/2009 - 02/2010****Project:** Develop medical web application for managing new pharmaceutical drug trials.

- Developed rich client web application using Netbeans to develop the UI and Eclipse to develop the UI models.
- Participated in the business requirements sessions and presented the detail design of entire architecture.
- Designed and developed UI screens using JSF, JSP, JSP page fragments, JavaScript, and HTML.
- Designed CSS styles allowing the implementation of table free pages.
- Configured spring resolver to discover spring data access services.
- Designed and implement wire frame view data flows using the Netbeans IDE.
- Designed and implemented internationalization architecture through the use of resource bundles.
- Designed and implemented all infrastructure to support all view pages, allowing the engineers ease of creating and manipulating view components and context.
- Designed JSF backing beans to support view technology architecture.
- Designed and implemented all UI middle tier models to support data manipulation and display.
- Designed and implemented all data provider models for UI components table and select items.

SOVEREIGN BANK Dorchester, MA**Contract Java Web Software Engineer****10/2008 - 5/2009****Project:** Develop financial web application for the banking industry, assisting customers in opening and managing new accounts.

- Research and configure a new development environment for the IBM WAS 6.1 server which allowed the UI engineering team to migrate to the latest technologies(JDK 1.5, JSF 1.2.12, RichFaces 3.3.0, and Facelets 1.1.14) for web development.
- Designed, developed print preview screen thereby allowing the user to preview/print the current web page.
- Designed, architected a new flexible launch mechanism using JSP and JavaScript to open a new account web application from various launches, supporting differing requirements.
- Developed the base JSF backing bean architecture from which all web page backing beans must migrate to.
- Developed the session scope architecture Object allowing all web pages to track session usage.
- Re-factored all CSS style definitions to improving common usage.
- Assisted engineers with issues and solutions related to developing JSF web pages.
- Discussed and generated documents detailing the refactoring of the web application.

BROWN BROTHERS HARRIMAN & CO Boston, MA**Contract Java Web Software Engineer****06/2008 - 09/2008**

Project: Financial web application development with Java Server Faces, MyFaces, and Tomahawk tag libraries.

- Developed backing beans to support Web pages.
- Developed data access object models to service SQL backend data retrieval.
- Implemented selection component data providers allowing the mapping of JSF selection items.
- Implemented best practices for Web pages and patterns.
- Assisted engineers with issues and solutions related to developing JSF web pages.

TELCORDIA TECHNOLOGIES, INC - New Generation Systems Manchester, NH**Principal Java Web Software Engineer****09/2005 - 06/2008**

Project: Develop WebTK, a web toolkit with multiple tag libraries using Java Server Faces. Integrating the toolkit into the Netbeans IDE allowing for the development of a web application using true drag and drop.

- Architected, designed and developed Web Xng Replacement application(WXRA).
- Developed application infrastructure for WXRA using the WebTK toolkit.
- Defined and mandated the usage of all CSS style definitions for WXRA for common look and feel.
- Implemented WebTK tool kit support for the Netbeans IDE.
- Added support for client side validation to the WebTK tool kit.
- Implemented selection component data providers allowing the mapping of JSF selection items.
- Created a Swing management UI to launch command processes to generate User Defined Objects.
- Researched and implemented WebTK dialog architecture.
- Designed the Java bean information architecture for the WebTK JSF components.
- Re-factored and fixed numerous bugs within the WebTK tool kit component set, and infrastructure.

WELLINGTON MANAGEMENT**Contract Java Software Engineer****03/2005 - 09/2005**

Project: Developed Java UI JFC/Swing financial screens

FI-PMT Group, Marlborough, MA

- Re-factored, reformatted the Security Browser view, to add additional attributes.
- Create the new Table view Holder Container, to display financial trading information.

GTS Group, Boston, MA

- Re-factored a number of financial application screens
- Added enhancements and functionality to GTS table architecture.
- Created new renderers and editors for the GTS table architecture.
- Fixed numerous UI issues dealing with the GTS table architecture.

CIENA CORPORATION - WAVE SMITH NETWORKS EMS Acton, MA.**Principal Java Software Engineer****11/2002 - 03/2005**

Project: Developed Java UI JFC/Swing screens and components for Wave Smith EMS

- Rewrote Wave Smith EMS UI table component to use JDK based JTable component.
- Rewrote Wave Smith EMS UI tree component to use client local cache to displaying information.
- Created new UI component Tree panel, configuration wizard.
- Created new UI “move up/down component” to allows reordering of entries in a table list.
- Created a number of new UI components, using JFC/Swing, tailored for the EMS UI environment.
- Added table paging to the EMS UI table architecture, to allows table paging through the EMS server.
- Added numerous enhancements and functionality to the WaveFlow Element Management System.

DIGITAL NETWORKS - Digital Network Product Group Nashua, NH
Principal Java Software Engineer

3/2001 - 7/2002

Project: ClearVISN Web, a web based application to manage intelligent network elements.

- Converting ClearVISN Web Suite SNMP smart widget components to use JFC/Swing.
- Created/Developed JFC/Swing components to replace Symantec AWT components.
- Developed screens to manage DN GIG switch/FDDI switch and DN TXG switches.

LUCENT TECHNOLOGIES, North Andover, MA

Consulting Java Software Engineer

3/2000 - 3/2001

Project: Cit Sonet desktop application that simplifies management of lucent intelligent network elements.

- Converted the Cit Sonet software application to use JFC/Swing.
- Converted Cit Sonet tree architecture to use JDK based JTree component.
- Converted Cit Sonet port monitor/configuration wizard to JFC/Swing.
- Converted Cit Sonet AWT views/dialogs to JFC/Swing.

CABLETRON SYSTEMS - Digital Network Product Group Andover, MA

Principal Software Engineer

5/1997 - 3/2000

Project: ClearVISN Web, a web based application to manage intelligent network elements.

- Designed and developed the ClearVISN Web MCM WEB component base infrastructure classes.
- Designed and implemented 27 MCM SNMP smart widget components as Java Beans.
- Integrated the SNMP smart widget components into the Symantec Visual Café environment.
- Re-architected the MCM SNMP smart widget components to use JFC/Swing.
- Assist view developer software engineers with technical UI and Java questions.
- Taught an internal Java class to the Network Management software-engineering group.

References: Exceptional Personal and Professional available upon request