

Jeff Rogers

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Summary

Results-oriented experienced team leader. Nineteen years designing & developing systems and UIs, both fat & thin client. Seventeen years as a Java developer. Consulting experience; distributed system architectures; 20+ years industry experience. Excellent verbal and written communication skills.

Goal

To design & deliver software that delights users and exceeds expectations; to do so on a timely & reliable basis and within budgets using leading-edge design approaches, technologies, and project management techniques.

Languages

- Java (1.0.2 - 6)
- JavaScript
- HTML 5, CSS 3, XML, JSON
- C & C++
- SQL
- C#, Ruby, Others

Operating Systems

- iOS, Mac OS X
- Unix (Solaris, HP/UX, Ultrix)
- MS-Windows (3.1 - 7)
- Others

GUI Tools & Technologies

- HTML 5, CSS 3, XML, JSON
- jQuery, Sencha Touch, YUI, Prototype, etc.
- AJAX XMLHttpRequest
- JSPs, Struts, JavaScript
- Java Swing & AWT
- Abstract Prototyping
- Web-based Mock-ups
- Structured Walkthroughs
- IDE RAD tools (NetBeans, JBuilder)

Other Tools & Technologies

- J2EE
- Apache, Tomcat, JBoss, Websphere
- Servlets, JSPs, EJBs
- PhoneGap/Cordova
- Eclipse & NetBeans IDEs
- Oracle, MySQL, SQLServer
- UML
- Agile, Scrum, Kanban

Education

- Purdue University, B.S. Applied Physics & Computer Science, 1983.
- Various post-graduate courses, including Tufts on Data Presentation, Java, Smalltalk, C++.

Experience

Pegasystems, Director, Engineering
July 2011 – Present

8 Commerce Dr., Bedford NH, 03110
<http://www.pegasystems.com>

Leading two agile teams, totaling 14 staff. First team is building a mobile version of Pega's flagship product. Targeting iOS and Android, tablet & phone. Hands-on leadership: designing, coding, mentoring, managing. Multiple releases already shipped. Presented at PegaWorld user conference in Dallas in 2012. Using HTML5, CSS3, Javascript, Sencha Touch, Phone Gap. Second team is building firebug-like inspection tools for Pega's flagship product, and updating other Pega developer tools, also using HTML5, CSS3, and Javascript but targeting desktop, not mobile. Significant interaction with offshore teams in Hyderabad and Bangalore.

HealthDialog , Senior Software Engineer July 2009 – July 2011	2 Bedford Farms Dr., Bedford NH, 03110 http://www.healthdialog.com
Designed & implemented extensive enhancements to web-based tool for managing automated IVR telephone call system. Included dashboard for concise display of key performance indicators, with details on mouse-over. Used JSPs, AJAX, Tomcat, SQLServer.	
Child & Family Services , Consultant June 2006 – December 2009	464 Chestnut St., Manchester NH, 03105 http://www.cfsnh.org
Designed & implemented significant improvements to web-based time & service tracking system. Met frequently with customers in iterative development approach. Prototyped mobile data entry screens for iPhone.. Used JSPs, AJAX, Tomcat, SQLServer, Hibernate.	
Kiva Sytems , Software Engineer October 2008 – May 2009	225 Wildwood Ave., Woburn MA, 01801 http://www.kivasystems.com
Designed, implemented, maintained multiple GUIs for software to manage Kiva's robotic warehouse system. Used Java Swing (fat client) and JSPs (thin web client).	
CedarPoint Communications , Prin. Softwr. Engr. August 2004 – May 2008	16 Route 111, Building 3, Derry NH, 03038 http://www.cedarpointcom.com
Designed, implemented & shipped web-based GUI used to manage CedarPoint's VOIP hardware products. Implemented self-updating web pages using AJAX; data-intensive dashboard with Tufte-inspired graphs using JFreeChart and detail views on mouse-over. Met with customers to present GUI and gather feedback. Used JSPs, AJAX, JBoss, EJBs, Struts, JavaScript, HTML DOM, CSS.	
Ohia Networks , Principal Software Engineer October 2003 – July 2004	84 Kettell Plain Road, Stow MA, 01775 http://www.ohianets.com
Designed and implemented GUI for a network management product. Used Swing, JBoss.	
ProvisionSoft , Principal Software Engineer December 2001 – May 2003	100 Brickstone Square, Andover MA 01810 http://www.provisionsoft.com
Designed and implemented GUI for ProvisionSoft's product to automatically manage server and storage resources (e.g., SANs). Three-tier architecture. Client-server communications use JMS; message content is XML. Support Solaris and Win2K servers & clients. Lead a team of 8 developers. Interface w/ other teams (GUI, externals) and architect. 220K lines of Java. 100% Java except for some 3rd party libraries and scripts.	
Nortel Networks , Lead Software Engineer May 1999 - September 2001	2 Bedford Farms, Bedford NH 03110 http://www.nortelnetworks.com
Shipped three versions of Nortel's GUI to monitor network usage and provide data for usage-based billing. Designed & implemented GUI to configure system via drag-&-drop. Lead a team of 6 developers. Named as inventor on three patent applications. 250K lines of Java. 100% Java except for some 3rd party libraries. Multi-tier distributed architecture using RMI. Supported Solaris and Windows servers and clients. This product is still sold today as Oracle Network Mediation.	
Fidelity , Software Engineering Consultant October 1998 - April 1999	1 Spartan Way, Merrimack NH 03054-9600 http://www.fidelity.com
Worked on client and server sides of an all-Java system which used CORBA between client & server and used JDBC to access a DB2 database containing Y2K testing & compliance data. Used Swing classes in GUI.	

DALiM Imaging Software, Sr. Software Engineer 15 Independence Drive, Bedford NH 03110
September 1997 - October 1998 <http://www.dalim.de>

One of two senior engineers leading the design & development of a new product, reporting to the head of engineering. Responsible for design & implementation of GUI & client-server interfaces. New product was a "digital asset manager," allowing users to store, search for & retrieve large numbers of documents in many formats. All client-server communication is via CORBA.

Document attributes are determined automatically when stored on server. Searches can be done based on attributes or on image "similarity". Found documents are presented as thumbnails and can be downloaded to client machine.

Supported Windows & Macintosh clients and Windows & Unix servers. All Java with a few C library wrappers, including Visigenic CORBA, AccuSoft image processing library, Excalibur text & image search tools, Versant object database.

NovaSoft Systems, Inc., Software Engineer 10 Burlington Mall Rd., Burlington MA
March 1995 - September 1997 <http://www.novasoft.com>

Produced Mac client for NovaSoft's document & workflow management system, "NovaManage," which previously had Windows and Unix clients. Reported to V.P. of Engineering. Took over work-in-progress from contractors, implemented Mac-specific code for many functions (e.g., file operations, network operations, sockets, Apple Events interfaces to mail and FTP clients).

NovaManage for Mac v6.1 shipped on 31 Dec 95. Version 6.3 was brought to feature parity with Windows & Unix and shipped simultaneously in Aug 96 for all three platforms.

Managed development of a Web-based NovaManage client. Used Java applets on client-side, talking to a server which passed requests on to a NovaManage API.

The MITRE Corp., Member of Technical Staff 202 Burlington Road, Bedford MA 01730
1984 - February 1995 <http://www.mitre.org>

As a member of MITRE's UI (user interface) specialty group, I consulted to other MITRE groups on UI tasks. Projects included:

- Message preparation system for the Air Force. Allows preparation of precisely-formatted messages for subsequent automated distribution, receipt, and parsing. I designed, developed, implemented and tested. Worked with a geographically dispersed team. Used C++ and C++/Views on a Sun running Unix, X, and Motif.
- Network monitoring & management system for the Army. I designed, developed, implemented and tested. Used C, SNMP, Motif, and TeleUse on Sun and HP workstations.
- Prototype for a classified government system which uses dual monitors and multiple windows to present multiple geographic views to users. I designed, developed, implemented and tested. Used Think C on a Macintosh running System 7.
- Prototype for a voice-controlled wearable display. Integrated Verbex voice recognition system with GUI displays on Virtual Vision wearable display system. I designed, developed, implemented, tested, presented to customer, demonstrated at conference. Used Borland C on PC.

Earlier projects at MITRE included AWACS radar console UI improvements, modeling and analyzing a new electronic sub-system for AWACS, and testing new software at European radar sites.

Publications

iSpace: A Web-Based Tool for Abstract User Interface Prototyping, in *Proceedings, forUSE 2002, First International Conference on Usage-Centered, Task-Centered, and Performance-Centered Design*. Edited by Larry L. Constantine.

References

Available upon request.