

# Resume of Bear Bibeault

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## SUMMARY

An experienced software engineering professional with a proven track record of using current technologies to bring software products from inception to deployment. Current area of focus is the design and implementation of multi-tiered web applications.

## SKILLS

- **Web:** Java, J2EE, JSP, XML, Servlets, AJAX, CSS, HTML, JavaScript and DHTML.
- **Languages:** Java, C++, ANSI C, BLISS, others.
- **Platforms:** Windows, Mac OS X, Linux, other UNIX, DOS, OpenVMS.
- **Database:** JDBC, Schema design, SQL.
- **Other:** Technical documentation, course-development, training and instructional skills, public speaking, art background, web and publication graphics.

## BOOKS

### jQuery in Action

ISBN: 1933988355

Published: January 2008

Co-authored with Yehuda Katz.

### Ajax in Practice

ISBN: 1932394990

Published: June 2007

Co-authored with Dave Crane and Jord Sonneveld.

### Prototype and Scriptaculous in Action

ISBN: 1933988037

Published: March 2007

Co-authored with Dave Crane and Tom Locke.

## CAREER

**Works.com**, July 2002 to present

### Lead Web Application Architect

Java Web Application Development

Responsible for design and implementation of the web application infrastructure used for the Works.com Payment Manager, Card Manager, ActivePay, and other enterprise-level, high-volume web applications. Further responsibilities include: delivery of application features, training and mentoring of engineering staff, usability analysis, in-house training and educational materials.

Technologies used include Java, JavaBeans, Java Servlets, JavaServer Pages (JSP 2.0), JSTL, EL, AJAX, HTML, DHTML, XML, more.

**Digital Motorworks, Inc.**, February 2001 to July 2002

### Web Application Architect and Technical Lead

Java Web Application Development

Responsible for the architecture and delivery of the Digital Motorworks Sales Assistant Web Application; a CRM tool for automobile dealers. Led a team of java web developers and coordinated with corporate shared resources to add new and enhanced features to the application on an ongoing and frequent basis. Hands-on role responsible for delivery of technologies from the user interface to the backing relational database. Also responsible for a set of related server tools (daemons) providing back-end, concurrent processing for the application data.

Technologies used include Java, JavaBeans, Java Servlets, JavaServer Pages (JSP), HTML, DHTML, XML, Java RMI, JavaMail.

**Agillion, Inc.**, March 1999 to February 2001

### User Interface Architect and Technical Lead

## Java Web Application Development

Responsible for the design, architecture, coding and delivery of the User Interface for the Agillion CRM Web Application. Led team of three web developers, an interaction designer, a graphic designer, and production artist (served as Acting Manager of this group for a time). Hands-on role responsible for the delivery of JavaBeans, JSP pages, JSP custom tags, DHTML, HTML and XML components.

Technologies used include Java, JavaBeans, JavaServer Pages (JSP), HTML, DHTML, XML.

## **BMC Software**, November 1997 to March 1999

### **Senior Product Developer**

Windows NT Developer

Responsible for the design and development of database and data migration tools and utilities for the Windows 95 and Windows NT platforms. Also responsible for internal intranet tools used in project tracking and management. Technologies used include HTML, CGI, JavaScript, MFC, OLE Automation, COM, and other 32-bit Windows sub-systems and standards.

## **Dragon Systems, Inc.**, October 1996 to November 1997

### **Senior Software Engineer**

Windows Shrink-wrap Software, Speech Recognition

Responsible for the design and development of speech recognition tools and utilities as part of Dragon System's NaturallySpeaking suite of speech recognition products for the 32-bit Windows platforms. These tools are used to adapt the recognition engine's vocabulary and language modeling user speech files in order to tune them to a speaker's specific dictation topics.

Contributed to development of other utilities and applications within the product, and provided much of the digital artwork (icons, splash screen bitmaps, easter egg photos, etc.) used in the application.

Technologies and tools used include Visual C++, MFC, OLE Automation, COM, SAPI, and other 32-bit Windows systems and standards.

Co-inventor of [http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=%2Fnetacgi/nph-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=\(Michael+AND+Bibeault\)&OS=Michael+and+Bibeault&RS=\(Michael+AND+Bibeault\)" target="\\_blank](http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=%2Fnetacgi/nph-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=(Michael+AND+Bibeault)&OS=Michael+and+Bibeault&RS=(Michael+AND+Bibeault))

United States Patent 616737: "Speech recognition language models".

## **Lightbridge, Inc.**, March 1993 to October 1996

### **Corporate Architect**

Object-Oriented Architecture

Responsible for the architecture, design, and development of the object-oriented implementation of Lightbridge's proprietary client/server network operating system and related components. Extensive coding in C++ of various multi-platform, production-quality applications for the Windows 3.1, Windows 95, Windows NT, Digital UNIX, RS6000/AIX, DEC ULTRIX, VAX/VMS, and OpenVMS platforms.

Highlights include directing the object modeling, design, and implementation of: An application framework class library to easily and quickly create programs that plug into the company's proprietary client/server network operating system as servers; an object-oriented SLR parser generator and parsing engine; an extensive class library of low-level, reusable C++ classes to serve as a base library for all object-oriented projects; and a variety of Windows-based user-interface-intensive projects requiring extensive data validation, using Visual C++ and the Microsoft Foundation Classes. ODBC and DAO classes were utilized to connect to PC relational databases.

## **Digital Equipment Corporation**, July 1979 to February 1993

### **Principal Software Engineer**

User Interface Management Software

Responsible for system-level planning, design and implementation of a wide variety of software components in ANSI C for the OpenVMS and UNIX platforms, as well as technical leadership of the DECforms for OSF/Motif product (a multi-platform User Interface Management System).

## **University of Massachusetts/Lowell**, June 1984 to November 1997

### **Adjunct Faculty**

Graduate Electrical Engineering Program

Adjunct faculty in the Graduate Electrical Engineering Department responsible for the development and instruction of such courses as: Systems Programming, Data Structures, Compilers, Assembler Language Programming, Programming Languages, Advanced Programming for VAX/VMS, various specialized topics, and the Seminar in Electrical Engineering. Served as faculty advisor to Master's Thesis candidates.

## **EDUCATION**

**Master of Science**, Computer Engineering  
University of Massachusetts at Lowell  
Lowell, Massachusetts

**Bachelor of Science (cum laude)**, Electrical Engineering  
University of Massachusetts at Lowell  
Lowell, Massachusetts