

# Barry J. Andreasen

## Technology

**Environments** Windows, UNIX/Linux, Android/iOS mobile  
**Languages** Java, JavaScript, Java-Beanshell (bsh), C#, C/C++, SQL, XML, HTML  
**S/W Products** VS/TFS, AndroidStudio, Eclipse, SQL, SSRS, InstallShield, Git, MS Office, Perforce, Clearcase/UCM, MS Project, Bugzilla, CVS, PVCS, ODE/SCCS, SourceSafe

## Fulltime Employment

2016 – Present

**Vasco Data Security**

**Marlborough, Ma.**

### Lead Integration Engineer/Architect

- Define and socialize Professional Service process improvements and documentation for North America market
- Consulting on custom code integration of 2FA server and client SDKs with client software (C/Java/SOAP/Radius/SQL)
- Assist clients in installation and configuration of turn-key 2FA software products

2006 – 2016

**Sentillion/Microsoft/Caradigm**

**Andover, Ma.**

### Lead Architect/Engineer

- Architect/Design new features – design and integrate with existing product base
- Define and participate in development of key product prototypes and features. (C#/Java/SQL/ java-bsh)
- Deliver infrastructure and modified process for customized app integration, resulting in reduced product implementation delivery (java-bsh/SQL)
- Lead product re-introduction – perform market analysis and customer evals to determine development objectives and product features. Outline schedule and development milestones. Coordinate with all teams.
- Organize development team – develop and deliver in-depth technical product training.
- Coordinate offshore development team – provide training and architectural info to new development team to support agile development process and accelerated learning curve.

### Principal Integration System Engineer

- Customer implementation of enhanced custom solutions – sales/service support (JavaScript/ java-bsh/XML)
- Development of standardized process/tools to increase client adoption/features (C#/ java-bsh/XML)
- Lead customer services integration effort after acquisition

### Principal Software Engineer

- Single Sign-on and Context Management application automation (C++/C#/JavaScript)
- Develop standardized application bridge process and templates
- Develop application extensions to support enhanced UI controls primitives, networking, etc. (C++)
- Development of app automation tool (C#/XML/JavaScript)
- Customer implementation of enhanced custom solutions – sales/service support
- Production of template for requirement collection and customer/technical documentation
- Production of training material for off-shore development partners

2004 - 2006

**Pedestal/Altiris Software, Inc.**

**Newton, Ma.**

### Senior Software Engineer

- Security and Vulnerability audit software development (C++/C#/ASPX.NET)
- Design and implement XML data access layer to database audit information (C++/ODBC)
- Web application development (.NET ASPX/C#)
- Developed integration components between web server application and core audit engine
- Development of configuration UI for application and DB components (C++)
- Integration of C++ and HTML display in application software
- Crystal Report development and maintenance
- Development of tools for multiple branch development support (Perl, JavaScript)

## Consulting 1998 - 2004

**Movement Disorders Technologies, Inc.**

**Hudson, N.H.**

- Medical software development for patient testing and analysis
- Design and develop prototype application for John Hopkins physician group involved in neural stimulation and brain disorder research
- Early implementer with MS CE.NET SDK on early tablet and handheld devices

**Online Media Solutions****Groton, Ma.**

- Work with marketing/customers to define product architecture and release requirements for B-to-B solution
- Provide customer response to technical concerns and deployment support
- Responsible for server side application development
- Online utilities (JavaScript)
- Data download/upload utility (FTP/C#)
- Account management (C#)
- Customized branding support (HTML/ASP.NET)

**Octave Communications****Nashua, N.H.**

- API product development for audio hardware/firmware system features
- Participate in development and integration of client-server, DB and h/w components to create an Internet enabled product (Visual C++/Java/Perl)
- Define and develop prototype for XML server interface to audio hardware functionality
- Provide training to support staff and field engineering efforts

**Compaq Computer****Nashua, N.H.**

- Design and implement UI for login language selection (C/Motif)
- Improve memory performance using mutex and multi-threaded logic in system library
- Maintain UNIX system runtime library functionality (C/C++)
- Integrate POSIX and UNIX standards into system library
- Implement international and multi-byte support in UNIX DCOM functionality
- Implement support for UNICODE and ISO language standard upgrades

**Point Technologies, Inc.****Billerica, Ma.**

- Design Internet Application Server product to provide remote application access to remote hosted applications using Internet.
- Implement server-side prototype (Visual C++) and client-side (JAVA/Perl/JavaScript) architecture
- Develop written business plan including financial forecasts and market research
- Present business plan and product strategy to venture capital and potential investors

**Fulltime Employment**

1995 - 1998

**FTP Software, Inc.****N. Andover, Ma.**

- Team lead/contributor in X-server feature development (Visual C++)
- Design security features and UI based on customer input (Visual C++/MFC/Win32)
- Implement install license security mechanism using MD5 encryption algorithms
- Prototype Internet based administrative configuration of desktop PC-X Server (HTML)
- Coordinate product team through 4 major product releases
- Participate in development team of TCP/IP based network productivity application suite
- Develop automation tools for branding, source kit and build processes (shell scripts)
- Organize and present technical product training sessions

1988 - 1994

**Sun Microsystems, Inc.****Chelmsford, Ma.**

- Develop demo applications for video capture project
- Integrate window system support with video card-based display
- Implement memory use algorithm for VRAM buffering of real-time video (microcode)
- Lead engineer for X server and internationalization effort of local client software
- Design and develop device dependent features of X server (C)
- Develop user interface for administration tool with OPENWINDOWS™ UI toolkit
- Provide interface with SNMP MIB agent for network management/configuration utility
- Implement window system for 386i Sun workstation architecture.

**Education****Brigham Young University****Provo, Ut.**

- BA, Computer Science – 3.6/4.0 GPA