8 Silversmith Way North Billerica, Ma. 01862 (978) 663-9219 (978) 886-7588 (c) barry@andreasen8.org

# Barry J. Andreasen

**Technology** 

**Environments** Windows (.NET, 7, 2K, NT), UNIX

Languages JavaScript, Java, Java-Beanshell (bsh), C#, C/C++, SQL, Perl, XML, HTML

# **Fulltime Employment**

# 2016 – Present Vasco Data Security / OneSpan

## Marlborough, Ma.

### Professional Services - Lead Implementation Architect

- Work directly with clients to specify solution requirements and assist client in developing customizations and product configurations to meet requirements
- Lead NA professional services team in defining process improvements to support increased efficiency and reliability in client engagements.
- Perform custom code development to integrate multi-factor authentication product into client software/solutions (C#/Java/SOAP/Radius/SQL)
- Received top recognition from clients and employees for creation of interactive training modules that decreased learning and adoption curve
- Provided technical assistance to sales efforts, resulting in increased sales and professional service department growth

## 2011 - 2016

# Sentillion / Microsoft HSG / Caradigm

## Andover, Ma.

## Lead Implementation Architect/Engineer

- Architect/prototype new features providing product differentiation with competition worked with devOps teams to see that prototypes transitioned into product release (C#/Java/SQL/ java-bsh)
- Developed tools to assist in customized application effort, resulting in 95% faster implementations (javabsh/SQL)
- Lead automated provisioning product introduction perform market analysis and customer evaluations to
  determine development objectives and product features resulting in \$10M first year added revenue goals provide training and to new development team to support agile development process and accelerated
  learning curve.

# **Principal Integration System Engineer**

- $\bullet \quad Implementation \ of \ complex \ custom \ solutions sales/service \ support \ (JavaScript/java-bsh/XML)$
- Development of standardized process/tools to increase client adoption/features (C#/ java-bsh/XML)
- Led customer services integration effort after Microsoft acquisition

## **Principal Software Engineer**

- Standardized customized application templates to significantly decrease services resource impact resulting in faster implementations and increased revenue
- Develop application extensions (C++) to meet new customer requirements for application automation
- Prototype and develop app automation tool (C#/XML/JavaScript) to simplify implementation
- Generated requirement collection guidelines and templates for customer/technical documentation to standardize implementation experience resulting in improve customer satisfaction ratings
- Production of training material for off-shore development partners

#### 2004 - 2005

## Pedestal/Altiris Software, Inc.

Newton, Ma.

# Senior Software Architect

- 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)

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## Consulting 1998 - 2004

# Movement Disorders Technologies, Inc.

# Hudson, N.H.

- Prototype interactive application to analyze patient response and motor skill changes to neural stimulation
- Work with John Hopkins brain disorder research physician group to develop patient evaluation prototype
- Early implementer with MS CE.NET SDK on tablet and handheld devices

### **Online Media Solutions**

Groton, Ma.

- Work with marketing/customers to define product architecture and requirements for online B-to-B solution
- Provide customer response to technical concerns and deployment support
- Responsible for server side application development

#### **Octave Communications**

Nashua, N.H.

- Team member delivering API product for audio hardware/firmware system features
- 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 to allow common code use in global market
- Improve memory performance to provide 12% increase in performance (X-Benchmarks)
- Implement international and multi-byte support in UNIX DCOM functionality

# Point Technologies, Inc.

Billerica, Ma.

- Implement server-side (Visual C++) and client-side (JAVA/Perl/JavaScript) prototype for remote hosted application product.
- 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++)
- Implement install license security mechanism that assisted sales in recognizing unknown revenue options with existing clients
- Prototype Internet based administrative utility for PC-X Server (HTML)
- Coordinate product team through 4 major product releases
- 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.

- Member of SunLabs division identifying leading edge technologies and opportunities
  - Early campus networking (i.e. wifi)
  - Streaming audio/video prototypes
  - Handwriting-to-text recognition and generation
  - o Team member on shared interactive network white board development/patent
- Lead engineer for X server and internationalization effort of local client software
- Implement window system for 386i Sun workstation architecture

# 1984 - 1988

# Computervision, Corp.

Bedford, Ma.

- Provide debug tooling used to provide trace information through multiple code subsystems (PERL/BSH)
- Develop graphical processing logic for CAD system (C)

### Education

## **Brigham Young University**

Provo, Ut.

BA, Computer Science – 3.6/4.0 GPA

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