

Objective

To utilize and refine my existing software engineering and project management skills to make an immediate contribution in technically challenging, fast-paced environments with significant growth potential.

Tech Visioneer – Independent Contractor

10/02 - Present

Business Consulting

- PCB Piezotronics: Created job description and skills requirement for programmer position and assisted with candidate screening, interviewing, and hiring.

Software Development

- City of Buffalo: Architected components to assist with upgrading several ASP web and desktop applications to an ASP.NET web interface. Developed in VB.NET to address enterprise-wide security and data access specifics.
- M&T Bank: Engineered a real-time reporting solution for the Treasury Dept monitoring large money transfers and satisfying Sarbanes Oxley requirements. Centralized and upgraded multiple legacy Access applications to an ASP.NET/C# web application for the Collateral & Documentation group.
- PCB Piezotronics: Developed a web-based CD-ROM product catalog for OEM customers' sales representatives. Assisted with design of software upgrades to existing product database system.
- Spring Rivers Ecological Sciences: Built a data-driven website for each company with software written in VB for an ASP environment.
- University Associates of Princeton: Built a data-driven website for a professional education organization to advertise course, faculty and staffing information. Software written in VB for an ASP environment.
- Western New York Stress Reduction Program: Developed a PowerPoint presentation on CD-ROM to assist Emergency Services programs of Erie and Wyoming counties.

Full-Time Technical Experience

AURORA Consulting Group, Inc – Buffalo, NY

6/99 – 10/02

Lead Application Developer

Responsible for software development life cycle of mission-critical enterprise applications. Managed small team of software engineers who architected and designed enterprise software. Designed and implemented components required for complex application features. Recognized as technical leader and resource. Clients included The Buffalo News, Watertown Daily Times, PCB Piezotronics, Workforce Development Consortium of Buffalo and Erie County.

- Lead developer of C# and VB.NET web application which included a course catalog and end-user employer profile database. The data mining capabilities inherent to O*NET™, the nation's primary source of occupational data, the creation of a WNY employment taxonomy was the next component developed.
- Developed a complete enterprise solution with complex spec-oriented product database. Multiple commerce-enabled websites to support customers and company employees alike. XML-driven parametric search capable of searching on every individual product spec. Developed with VB, ASP, SQL Server, JavaScript, VBScript, and XML.
- Developed auction application with e-commerce infrastructure in under four weeks utilizing Site Server, VB, ASP, JavaScript, SQL, and XML. Auction supported over \$300,000 in transaction volume in three weeks.
- Designed and developed the subscription-based online edition of The Watertown Daily Times newspaper. Automation and integration with industry standard SII software minimized maintenance costs. Technologies used included Visual Basic 6, ASP, JavaScript, and SQL Server.
- Designed and implemented automated reporting web application for advertising customers with VB, SQL Server, ASP, MS Ad Manager, & JavaScript. Monthly reduction of 50+ maintenance hours yielded tremendous savings.

University at Buffalo Walkway Technology Node – Buffalo, NY

8/98 – 7/99

Software Engineer

Directed substantial development upgrades to several web products. Department mentor for ASP, VBScript, & VBA.

- Completed web sites for distance learning classes with CGI/Perl, VBA, Excel, and Access.
- Spearheaded major upgrades to course registration web application. Coordinated shift to dynamic database content delivery with ASP. Minimized maintenance requirements achieving substantial increases in employee productivity.

KEITH FREE ELLIS

Software Engineer, Data Architect

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Full-Time Technical Experience (continued)

University at Buffalo SUNYCard Office – Buffalo, NY 8/98 – 12/98

Software Engineer

Developed web sites for numerous University business units including Campus Catering, Campus Tees & Sweats, and the University at Buffalo SUNYCard Office site

Opinion Research Corporation – Princeton, NJ 5/98 – 12/98

Computer Programmer

Designed automation application to generate complex Excel spreadsheets. Implemented with Oracle, VB, and Excel.

University at Buffalo Computer Science Department – Buffalo, NY 8/97 – 12/00

Consultant

9/99 – 5/00

Provided tutoring and instruction in C++, Visual Basic, and HTML for computer science students.

Technical Skills

Web Standard Design

- CSS (3yrs)
- HTML (8yrs)
- JavaScript (6yrs)
- XHTML (4yrs)
- XML (2yrs)

Microsoft Programming

- ASP/VBScript (5yrs)
- ASP.NET (4yrs)
- C# (C Sharp) (4yrs)
- VB.NET (4yrs)
- VB (2yrs)
- VBA (2yr)
- XML Web Services (6mo)

Open Source & Other Programming Languages

- Ada (1yr)
- ANSI C++ (2yrs)
- Java (1yr)
- ML (6mo)
- PASCAL (3yrs)
- Perl (1yr)
- PHP (6mo)
- POSIX threads (6mo)
- pthreads (6mo)
- SPARC (6mo)
- x86 assembly (6mo)

Operating Systems

- Windows 2000 & 2003 Server
- Windows XP Pro/Home, 2000, ME, 98, 98, 3.x
- Solaris
- UNIX
- DOS
- MacOS

Applications

- Visual Studio .NET Enterprise Architect (VS.NET)
- Visual Studio 6 Professional
- SQL Server 7, 2000
- MySQL 5
- Visio for Enterprise Architects (VEA)
- Site Server, Commerce Server
- Oracle
- Microsoft MapPoint 2004 (.NET MapPoint web service)
- Google Map API
- WebTrends & Urchin Web Traffic Analysis Software
- Macromedia Dreamweaver
- Macromedia Flash
- Adobe Photoshop 6, 7, 8

Education

State University of New York at Buffalo – December 1999, Bachelors Degree, Computer Science and MIS.

Brooklyn Technical High School – June 1995, NYC Regents Graduate, Computer Science Major, Top 5% of CS dept.

Work Samples

IMC Group www.imcstyle.com
Beyer Blinder Belle www.beyerblinderbelle.com
Buffalo News www.buffalonews.com
Buffalo.com www.buffalo.com
E-vents@Buffalo.com www.buffalo.com/calendar
HomeFinderExtra.com www.homefinderextra.com
Buffalo International Airport Arrivals & Departures www.nfta.com/airport/flight_info/realtime_data.aspx
PCB Piezotronics: IMI Division www.imi-sensors.com
PCB Piezotronics: Product Database www.pcb.com/products
Spring Rivers Ecological Sciences www.springrivers.com
Watertown Daily Times www.watertowndailytimes.com