

Stephen Buck

1342 Robin Hood Lane
Webster, NY 14580

585.216.9586
stevebuck@sbuck.net

Skill Summary:

- **Programming Languages:** Java, C/C++, C#, JavaScript, Shell Scripting, SQL
- **SCM Tools:** MKS/RCS, CVS, SVN, SCCS, IBM/Rational ClearCase, Sun Teamware
- **Operating Environments:** Linux (Debian, Ubuntu, RedHat), OpenBSD, Solaris, Windows, Mac OS
- **Application Servers:** Apache HTTPd/CGI, Apache Jakarta Tomcat, ATG Dynamo (DAS, DPS), JBoss
- **J2EE:** Hibernate, Spring, Acegi Security, JSP, Struts, Cocoon
- **Database Servers:** Oracle 9i, MS SQL Server 2000 – 2005, MySQL, PostgreSQL

Professional Experience

Mindex Technologies, Inc.

April 2005 - Present

Senior Software Engineer

Combined responsibilities as a Project Architect, Lead Developer, Data Architect, and Mindex representative to assigned clients.

1. Paychex, Inc.:
 - Contracted to IT in order to develop custom sales tools.
 - Took on a role as the Mindex project manager, technical project lead, and lead developer.
 - Implemented a two phased reporting framework in its entirety including a calculation engine, a report rendering engine, and a message track processor.
 - Rendered an individual performance summary report for approximately 1200 sales representatives.
2. Alstom Transportation, Alstom Rolling Stock USA:
 - Contracted to Alstom Rolling Stock USA in Hornell, NY in order to improve Supply Chain Reporting.
 - Used MS SQL and Crystal Reports to automate the reporting into a standard ETL and reporting services tool set.
3. Mindex Technologies, Inc Internal SchoolTool Student Management System:
 - Developed custom report cards for student management system using Crystal Reports in a MS SQL Server database.
 - Created a data export utility using MS SQL and C# CLR stored procedures for the report card data to aid the install of the report cards to the school district systems.

MedAmerica Insurance Company

December 2004 – April 2005

Senior Software Engineer

Responsible for all aspects of the company website from maintenance of the old site to new development.

1. Worked with existing website to fix bugs and add minimal functionality until the new website could be released. Maintained a code base as a set of JSPs with beans to hold data and to perform database actions necessary for the presentation of the site.
2. Developed a new look and feel and framework for the MedAmerica website. Based the new framework on Apache Cocoon allowing for content management as needed by the marketing team as well as allowing for an easy expansion of the site into new directions.

Distributed Objects Technology/ICS
Senior Software Engineer

May 2000 – December 2004

Responsible for maintaining a strong presence both as an instructor and a consultant. Strong emphasis on Sun Solaris training both in Systems and Security.

1. Eastman Kodak Company:

- Contracted to the B2B Group to aid in administration tools development, online catalog price rules application performance enhancements, and mentoring the customization of a new online sales application.
- Contracted to Kodak.com as part of the Member Services development team for general development including authentication and authorization for the Kodak.com website and development of external interfaces allowing Kodak business units to communicate with Kodak.com Member Services.

2. Pfizer, Inc.:

- Contracted to the Business Technology Group to aid in development of and maintenance of a specialized reporting tool.
- Tool objectives were to report sales of VA and DOD sales representatives in comparison to the sales of competing products in the same market.
- Maintained both a custom written reporting tool and a highly customized off the shelf solution.

3. Authorized Sun Education Center:

- ICS maintained ASECs in Rochester and Albany, NY, and Pittsburgh, PA
- Certified Solaris 8 Instructor for Sun Education Courses: SA-118, SA-238, SC-300
- Designed and maintained Solaris network in all three training centers
- Interfaced with customers in both education and consulting.

Infospace.com, Inc.
Software Engineer

November 1999 – May 2000

- Developed software algorithms to aid in fast text searching databases.
- Sole system administrator for Rochester Infospace office.
- Managed an integrated network of FreeBSD systems and Windows 2000 Systems.
- Hardened FreeBSD system to be live on the Internet serving as a connection point between the main office and the Rochester remote development center.

MetroOne Telecommunications
Software Engineer

January 1999 – November 1999

Responsible for balancing both Systems Administration tasks with Software Development.

- Interfaced with customers to add features and fix bugs within the Java API written to interface to the text searching database provided by the division.
- Developed a data mining tool to add value to the information that call center operators are able to provide to the calling customers using Internet knowledge discovery techniques.
- Administered the division's small Sun network.
- Implemented NIS and shared home directories on the network.
- Maintained a Sparc1000 Drive Array and an A5000 Drive Array.

Technical Training: Sun Educational Services

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| • Solaris Server Administration | • Administering Security in Solaris T3 |
| • Solaris Server Instructor Training | • Java Fundamentals |
| • Administering Security in Solaris | • Java Network Programming |

Professional Associations & Certifications

- Upstate NY Solaris Users Group
- Linux Users Group of Rochester
- Rochester Java User's Group
- Rochester OWASP
- Certified Java 2 Programmer

Professional Presentations

- Using Window Maker (Linux Users Group of Rochester 1998)
- Securing Solaris Networks using IP/Sec (ICS Open House 2001)
- Exploiting Networks with dsniff (Upstate NY Solaris Users Group 2002)
- OWASP Top Ten: Access Control and Session Management (OWASP Rochester 2005)
- OWASP Top Ten: Unvalidated Input (OWASP Rochester 2006)

Education

Bachelor of Science in Computer Science May 1998
SUNY Brockport, Brockport, NY

Extra Curricular Activities:

- Computer Science Club: Founding President
- Math Club

Volunteer Affiliations

Otetiana Council, Inc. Boy Scouts of America **2000 - 2005**

Exercising my affiliations with Otetiana Council as a council Eagle Scout I chose to grow in my experience and give back to the council by becoming a member of the IT infrastructure team acting as a systems and security consultant assisting in the IT and security policies for the organization.