

Robert E. Bratton

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Employment History

Lead Software Engineer – CTR Systems Parking – Warrendale, PA – 3/2011 to Present

Lead agile development of C# web services, Windows command line and ASP.Net applications, and Windows services and SQL Server database design and tuning for parking and airport ground transportation management systems. Interfaced with Moxa and Elexol digital IO devices, Daktronics signs and serial TransCore RFID readers and Zeag stations for vehicle detection and identification. Key Accomplishments: Completed design, development and deployment of a new ground transportation module for several major airports.

Contract DBA/Developer – Keystone Collections Group – Irwin, PA – March 2011

Consulted with internal developers to improve performance and reliability of their database engine when used by MS Access and VB.Net; Key Accomplishments: Improved performance of database applications and confirmed a good installation and configuration of the database engine.

Data Integration Programmer - EQT Corp. (through VisionIT) - Pittsburgh, PA – 1/2011 to 3/2011

Developed Oracle and MS SQL Server SQL queries, T-SQL stored procedures and functions for data migration in along with supporting VBScript and WSF.

Senior Application Developer – American Eagle Outfitters, Inc. (through GenTech) – Pittsburgh, PA – 2/2010 to 1/2011

Developed C# ASP.Net applications and web services, WinForms and WPF applications; Oracle, SQL Server, DB2 and MS Access databases; Key Accomplishments: Enhanced and rebuilt ASP.Net web applications used in around 1000 stores. Built Dot Net command-line programs to generate interface files for batch systems. Integrated a web application with web client hardware such as a VeriFone pin pad, barcode scanner and receipt printer. Recreated Java export process in Oracle PL/SQL for performance, reliability and maintainability, resulting in 80% time savings.

Senior Application Developer – Dick's Sporting Goods, Inc. – Pittsburgh, PA – 9/2009 to 1/2010

Software Development: C# ASP.Net applications and web services, WinForms application and AIX Integration with MS SQL Server, Oracle and DB2 databases; Remedy issue and change management tracking; Tidal task scheduling software; Key Accomplishments: Enhanced and supported several ASP.Net web applications widely used in 400+ stores. Successfully completed major releases for two applications and implemented major changes to a third including integrating a new WCF interface to the purchase order system.

Senior Systems Engineer – Electronics for Imaging, Inc. - Pittsburgh, PA – 12/2006 to 5/2009

Developed VB.Net and C# client-server and ASP applications and Web Services, Network Management Automation for 300+ Windows, Linux and Other Servers Key Accomplishments: Developed several multi-threaded client/server, command-line, web service and web applications for automating and tracking application, network and system information. Handled a wide variety of network, database and application support tasks with about 18 different Internet and customer-facing production web applications including routing, load balancing and firewalls. Consulted with development to improve design and implementation for security, performance and reliability of hosted applications.

System Integrator – PNC Bank - Pittsburgh, PA – 9/2005 - 12/2006

Developed VB.Net and C++ Windows and Web Applications, and Web Services, Database Design, Tuning and Implementation; Windows with Clustering, Red Hat Linux, IIS, Oracle 10g RAC with PL/SQL, IBM Mainframe; Key Accomplishments: Successfully implemented the first two phases of the Centralized Reconcilements cross-platform distributed application. Mentored other developers. Coordinated work across several departments to assure the success of the project. Integrated Windows client-server and IBM mainframe applications.

Senior Systems Engineer – Precision Therapeutics, Inc. - Pittsburgh, PA – 6/2002 - 9/2005

Software Development in VB.Net and VB 6, Crystal Reports; Oracle 9i database design and administration; Network Administration for Windows NT/2000/2003, SuSE Linux, IIS, MS Exchange, Voice over IP, Cisco CallManager and Unity Voicemail; Disaster Recovery with an automated tape library Key Accomplishments: Balanced network administration, DBA and software development duties. Made significant security upgrades to the infrastructure

Independent Consultant -- Bratton Enterprises (Self Employed) - Monroeville, PA, Full-time: 11/1998 – 6/2002; Part-time 1993 – 1998 and **6/2002 to Present**

Key Accomplishments: Software Development with ASP.Net and C# and VB.Net, PHP and SQL Server, MySQL, on Apache and Windows IIS; Database design and tuning consulting; Support multiple clients simultaneously on-site and remotely; Windows ActiveDirectory, Novell Netware, Citrix MetaFrame and Windows Terminal Server; Web Hosting; DSL Internet Sales and Support

Senior Electronic Services Developer – FORE Systems - Warrendale, PA, 12/1997 through 11/1998

Web Developer with C++, Perl and Oracle on Sun Solaris with Netscape Web Server Key Accomplishments: Switched web development from C++ with Oracle ESQL to Perl with DBI/DBD, resulting in a reduction in development time while maintaining code quality

Electronic Document System Engineer – COMPUCOM, Inc. - Pittsburgh, PA, 4/1995 - 12/1997

Electronic document imaging pre- and post-sales support, installation and training, Oracle, MS SQL, Informix and Gupta database, I'm still consulting with them on special projects. Key Accomplishments: Finished development for a Computer Output to Laser Disk system running on AIX with optical storage and IBM Mainframe print emulation, Windows and 3270 terminal client access. This system was used by Wheeling Pittsburgh Steel and I supported it until 4/2007.

Programmer/Analyst – Stadtlander's Pharmacy (through ComputerPeople) - Monroeville, PA, 1/1995 through 4/1995

C/C++ development with Oracle ESQL for mail-order prescription drug delivery workflow

Network Administrator, Programmer – Alcoa Corp. (through ComputerPeople) - Pittsburgh, PA, 6/1991 through 1/1995

Managed Novell Netware 3.11, HPUX, Windows, HP VAX systems on Ethernet and Token-ring, Developed C and KMan database software for management of distributed health, safety and environmental systems

Education

Bachelor of Science: Indiana University of Pennsylvania - Indiana, PA, May, 1991;

Major: Computer Science, Minor: Physics

Certifications: Microsoft: MCSA, MCP; CompTIA: A+, Network+, I-Net+

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