

Matt Evans

EDUCATION

University of Nebraska-Lincoln, Lincoln, Nebraska USA

BS Mathematics, BS Computer Science May 2000

- Undergraduate Thesis: *The Design of a Fault-Tolerant Distributed Filesystem*
- Adviser: Professor Steven Goddard

PUBLICATIONS

Evans, Matt, and Josh Moody. Get A Traffic Report: Analyze Your Database Usage With System Tables *MSDN TechNet Magazine*. Spring 2005. Published

PROFESSIONAL EXPERIENCE

Microsoft Corporation, Fargo, North Dakota USA

SDET/2, Senior SDET

November 2003 to Present

- Test feature area owner for multiple areas on multiple products, spanning developer tools, ERP systems, and application frameworks. Designed test plans, test cases, test automation, and test automation libraries for API features, rich UI, client/server systems, middle tier, data access layers, etc. Developed new tools for measuring and visualizing code coverage, mass conversion and import of legacy test automation, and reporting. Developed Visual Studio Debugger extension to display Dynamics AX X++ interpreter stack trace while debugging AX C++ kernel code. Management of source control systems, build systems, and quality gate systems. Primary work in C#, Perl, X++, C, C++.

Microsoft Corporation, Redmond, Washington USA

SDET

May 2000 to November 2003

- Feature tester on Visual Basic .Net 1.0 compiler and runtime. Performed language/syntax upgrade on automated tests. DBA and feature developer on divisional TCM / Execution harness. Created Microsoft-wide Lab automation system and scripts for automatic test automation machine configuration. Performance evaluation and tuning of SAN and RAID hardware for SQL servers. Implemented division-wide code coverage repository and collection system. Developed multiple tools to manage and visualize test automation lab efficiency. Developed multi-machine test orchestration system. Developed test job to machine scheduler. Primary work in Visual Basic, Perl, C, C#.

University of Nebraska-Lincoln, Lincoln, Nebraska USA

UNIX Systems Administrator

May 1998 to May 1999

- Supported two full-time administrators, 400 students, 20 faculty. Hardware and software maintenance and troubleshooting on Linux, Solaris, and IRIX workstations and servers. Developed cross-platform user management and access control system.

The Boeing Company, Aircraft and Missile Systems, St. Louis, Missouri USA

Systems Intern

June 1999 to August 1999

- Supported team of UNIX administrators and programmers that maintained several thousand engineering workstations and X-terminals. Developed license management software in Perl, backed by Oracle database, to remove manual intervention from software license management. Performed server network migrations for NT and Solaris machines.

ntr.net Corporation, Louisville, Kentucky USA

Systems Programmer

May 1997 to August 1999

- Refactored custom C++ billing system for improved performance, new features, and new product support. Month-end billing cycle went from one full day to just two hours, with the primary software system going from 45 minutes to 3 minutes.
- Interviewed, hired, and trained new programmers to replace me when I returned to University
- Developed C++ data access layer for Sybase/UNIX

TECHNICAL SKILLS Proficient administrator of most desktop and server operating systems. Includes security, application hosting and configuration, installation, servicing, scripting administrative tasks, low-level functions.

Programming: Proficiency and years of professional experience working with the following general purpose languages: C, C++, VB, VB.Net, C#, Perl.

Environments: Extensive familiarity with the Microsoft .net tool chain from a development, testing, deployment, and servicing perspective.

Networking & IT: Extensive knowledge of IP protocol suite and common applications and application layer protocols. Can configure the basic family of public-facing internet services (mail, dns, web) on most platforms with most popular server application packages.

Databases: Extensive knowledge of the administration, tuning, and application programming of MS SQL Server. DTS and bulk data, disaster mitigation, use of profiler, index selection, system tables and internals. Ad-hoc SQL queries, prepared statements, creation and use of business-object layers from native and managed languages. Proficient with MySQL, Postgres, and Oracle.

**SELECTED
CONTRIBUTIONS
TO FREE
SOFTWARE
PROJECTS**

- **WCF Binary Inspector**. Added support for decoding RIA services binary-encoded XML payloads.
- **GAIM instant messenger software**. Provided initial patches required to use GAIM on SGI IRIX 6.5.
- **OpenBSD**. Provided patch to OpenBSD 2.6 IDE/UDMA driver to fallback to slower UDMA modes gracefully.