



Matt Griswold

849 E Washington Ave.
Suite 101
Madison, WI 53703
(608) 443-4002
matt@devIT.com

skills

- ▶ Extensive use of ANSI C programming
- ▶ C++, javascript, java, perl, php, python, and shell scripting
- ▶ Writing efficient and secure code, especially under high load conditions
- ▶ Writing client / server applications
- ▶ Multi-threaded and multi-process applications
- ▶ Programming tools including Sun cc, CVS, Doxygen, gcc, gdb, lex, Purify, Subversion, Totalview, Valgrind, Visual Studio, wxWindows, yacc
- ▶ SQL, such as Oracle, PostgreSQL, MySQL, MSSQL

recent projects

- ▶ An agile web application frame work written in PHP and C, allowing for rapid prototyping yet retaining the ability to optimize modules as needed
- ▶ Highly efficient JIT compiled templating engine in C, with a PHP extension
- ▶ Datamatrix (IEC16022) encoding and decoding library, with full RS ECC and image scanning capabilities
- ▶ VoIP multi-platform chat client in C++, uses a common IM type interface but communicates over Asterisk's IAX2 protocol

experience

Owner / Software Developer, dev/IT; Madison, WI — 2003-Present

Oversee project management and write software for internal and client projects

Work on convergence technologies integrating and automating voice and fax applications

Manage software release life cycle and version tracking

Linux kernel development to enhance virtualization features and performance

System Administrator, The Onion, Inc.; Madison, WI — 2003

Maintained linux servers, including load balanced cluster for serving web content

Monitored systems for both resources and security risks

Installed software and wrote scripts as needed to automate day to day tasks

Optimized existing code and database structure for over 1000% performance increases

Wrote ecommerce software and recurring billing back end for premium pay site

Designed and wrote software for website, including search engine and authentication system

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Internet Software Developer, TDS Telecom; Madison, WI — 2001-2004

Designed and implemented Internet services and applications in C

Customized and integrated Infranet billing system with production services

Wrote a suite that used 'scripts' to automate testing

Wrote modules in C for Apache, Proftpd, and Portal Infranet

Designed documentation standards and framework making it easy for us to document code as we write it

System Administrator, Chorus Networks; Madison, WI — 2000-2001

Installed, configured, and maintained Internet servers and services

Fixed, optimized, and/or wrote scripts as needed to automate day-to-day tasks

Wrote and implemented SQL databases with web interfaces to replace flat files in many areas including IP allocation and radius accounting

Diagnostic Specialist, Chorus Networks; Madison, WI — 1998-2000

Used C to write a resource tunneling client and server that allowed servers in different locations to communicate securely

Designed and implemented a complete dynamic back end for the company's internal website using C, including an authentication system, news, employee profiles, and message boards

Created and implemented a web based trouble ticket database to be the primary interdepartmental communication interface to system administration