

# Kevin Flasch

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## Professional Experience

### Lannon Stone Products

Sussex, WI

#### Technical and Computer Consultant

March 2010 - Present

- Provide general computer and technical support and administration for a large quarry/stone operation
- Operate quality testing laboratory to provide technical analysis of mined and produced material

### University of Wisconsin – Milwaukee (UWM)

Milwaukee, WI

#### LIGO Research Group

#### Research Consultant

August 2007 – May 2009

- Researched techniques for the publication, replication and analysis of metadata for data intensive high-profile international scientific research project in a distributed computing environment
- Ran usage scenarios and test cases for web services applications in a distributed computing environment
- Optimized, ran test cases and implemented changes in a in-use application for large data replication

#### Grid Computing Consultant

January 2004 – August 2007

- Aided in the design and development of an integral distributed data management and replication application used to transfer large (100+ TB) amounts of scientific data internationally
- Supported a community of administrators at different sites worldwide in transferring scientific data and using related software
- Managed the organization, cataloging and movement of large sets of scientific data locally and at other sites by writing portable tools to automate these tasks
- Developed a tool to automatically verify characteristics and validity of scientific data across distributed storage
- Managed bringing projects in under deadlines and time constraints
- Contributed to conferences, workshops and talks involving data transfer, publication and scheduling
- Wrote and maintained documentation and web pages for software usage

#### Systems and Network Administrator

November 2000 – January 2004

- Aided in the design, implementation and maintenance of a 296-node Linux-based Beowulf cluster
- Designed and maintained a large group of servers and user computers
- Developed and implemented methodologies for repetitive and failsafe rebuilding (“cloning”) of systems
- Provided administrative support to a group of 10-15 onsite users and many off-site users
- Wrote programs and scripts for maintenance, performance testing and other administrative purposes
- Wrote technical documentation and developed web pages for system usage and maintenance

### University Information Technology Services (UITS)

Milwaukee, WI

#### University of Wisconsin - Milwaukee

#### Campus Solution Center Consultant

August 1999 – December 2001

- Supported users and maintained and troubleshot hardware and software in Windows, Mac and UNIX environments
- Provided off-site consulting to the Nonprofit Management Fund of Management Cornerstones Inc. to improve and add to their capability to provide computing resources to local non-profits

## Contract Experience

### LoadTrek.net

Sun Prairie, WI

#### Software Developer

September 2010 – October 2010

- Helped design, implement and test Android application to be used in delivery for the transportation industry

**Marquette University  
Computer Consultant**

Milwaukee, WI  
July 2003 – September 2005

- Performed Linux administrative tasks and Linux instruction for a professor of Physics, including purchasing, setup and maintenance of machines designed to run scientific analysis
- Helped debug scientific code

***Skills***

- Programming knowledge and experience in C, C++, Java, Python, Perl, Common Lisp
- Experience with many tools including SSL, XML, Web Services, Globus Toolkit, Android SDK, CVS, SVN, sed, awk, lex, yacc, sh/bash
- Designed, constructed, and maintained large programming and system design projects
- Extensive experience with UNIX (Linux, Solaris) and Windows (9\*/XP/7), including usage, administration, maintenance and software development
- Software and hardware troubleshooting in a wide variety of environments
- Database experience with MySQL
- Web development experience with HTML, CSS, CGI applications, Apache

***Education***

**University of Wisconsin – Milwaukee**, Milwaukee, WI  
MS in Computer Science, Graduation in 2012

**University of Wisconsin – Milwaukee**, Milwaukee, WI  
BS in Computer Science, 2003