

Steve Goranson

508-499-8265

steve@stevegoranson.com

SUMMARY:

I'm an enthusiastic software engineer who truly enjoys finding elegant solutions to challenging problems. I'm passionate about good design, and solving issues the right way the first time. I take pride in my work, and the goal of my effort is always the same: given the time and resources available, make the most robust, maintainable, and usable product possible.

TECHNICAL SKILLS:

- Fluent in C/C++, Python, bash
- Comfortable in Perl, SQL, HTML
- gcc, gdb, vim, svn, make, ONCRPC, Coverity, Veritas Netbackup, TSM
- Linux, OSX, Windows

PROFESSIONAL EXPERIENCE:

Software Engineer, IBM, Marlborough, MA, August 2010 – February 2015

I worked in the software Analytics division of IBM designing and maintaining data warehousing products.

- product development (userspace C++ on Linux, some C kernelspace)
 - *Lead developer, StorageMgr.* Led the design and development of the StorageMgr daemon project, a director of all I/O transactions on a 2PB data warehouse.
 - Saved customer service many hours of support compared to the old ad-hoc system of management.
 - *Developer, Linux Kernel.* Made many enhancements to the MD software raid layer of the GNU kernel that were later integrated upstream.

Software Engineer, Sepaton Inc., Marlborough, MA, February 2006 – present

Sepaton is a mid-sized storage company that sells an enterprise class Virtual Tape Library featuring deduplication and replication technology.

- product development (userspace C++ on Linux, some C kernelspace)
 - *Lead developer, OST.* Led the design and development of the OpenStorage product, an ethernet interface to the VTL that grants NBU customers finer control over the backup and restore process.
 - 3 large prospective customers in the pipeline anxious for our official "Netbackup OST Certification" scheduled for summer '10.
 - *Developer, DeltaRemote.* Assisted in the design and development of DeltaRemote, a product to vault deduplicated backups remotely over TCP to save bandwidth.
 - The first replication product to implement deduplication between two remote libraries.

- Name on a patent application for work involved in the remote differencing algorithm.
- Product sustaining (C++/perl/bash on Linux)
 - DeltaStor, the flagship deduplication product. Root caused escalated customer issues, wrote many product enhancements.
 - Enhanced deduplication algorithm to compress a new backup type previously unrecognized, which was a key feature in our last major release.
 - Received stock award for stepping up efforts when the project was at risk.
 - Wrote many widely used bash/perl scripts to assist in bug triage.
 - After sharing some personal bash scripts with QA, they were able to eliminate a time consuming and error prone screen scrape tool from their GUI testing.
 - Only developer on Site2, a legacy product to transfer a backup from one VTL to a remote VTL over TCP.

OTHER EXPERIENCE:

Developer of mp3scrub, 2010

- A Python hobby project to develop an intelligent MP3 tag cleaner using fuzzy string matching and online music databases. Uses wxPython, last.fm's public REST API, and a FFT based music id method provided by musicbrainz.
 - <http://1024.us/code>

Part Time IT Professional, Checkerboard, Ltd., W. Boylston, MA, September 2000 – January 2003

- Various intranet web projects used a SQL Server backend and UI using ASP, XSL, SQL, and Visual Basic.

Senior Major Qualifying Project (MQP), General Dynamics Ltd, January 2005 – March 2005

- Worked in a team of four students to design and implement an SNMP Manager running on the Pocket PC platform for a PDA. Written in C++ MFC. The PDA manager provided a portable method of managing General Dynamics encryption routers.

EDUCATION:

Worcester Polytechnic Institute, BS January 2002 – December 2005

- Computer Science Major
- Spanish
- Graduated with Distinction