

David Muir Sharnoff

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Oakland, CA

Highlights

Perl expert with many CPAN contributions including: OOPS, Stream::Aggregate, IO::Event, Daemon::Generic, and Test::MultiFork.

Designed and implemented distributed aggregation framework which processed over 4 billion web pages per run generating a mysql database used for research and search-relevance features for more than 50 million domain-path pairs used to help rank search results (Searchme).

Led a small team to design and implement a general content management system for a new academic publisher that is still used and evolving seven years later (Bepress).

Designed and implemented a parallel distributed log processing framework used to produce daily logs and business intelligence data used by executives (Searchme).

Using a combination of techniques, achieved effective victory over inbound and outbound email spam as measured by the number of complaints about false positives, false negatives and outbound email blockages (Idiom).

MTS - Software Engineer - SRE

Google Inc.

Jan 2011 - Present

Member of the Site Reliability Engineering team supporting Google's internal customer relationship manager tool.

Senior Software Engineer

Yahoo! Inc.

Oct 2009 - Jan 2011

Part of the team of engineers maintaining the existing internal product packaging system and designing its evolution and replacement.

Senior Software Engineer

Searchme, Inc.

May 2008 - July 2009

A key member of a team of researchers improving search results. My projects included Special Features Processing (XML XPath and perl fragment fault tolerant feature extraction framework); Media SFP (feature extraction from youtube, flickr, etc) & Torgo (Search results scraping); Alcatraz (manual category overrides); Log processing (built my own Hadoop-like framework to partition data for parallel processing); Docstore Aggregation; and a control framework for docstore augmentation systems. I also taught perl programming and advised many others to help with their projects.

Owner

Idiom Communications, Inc.

1993 - 2007

I managed the systems, networks, people and money for a small Internet Service Provider. We offered a full range of ISP services including email accounts, PPP dialup, virtual hosting, DSL, T1s, T3s, colocation, and even wholesale DSL for other ISPs. The billing and customer care software I built support a superset of the legacy practices of each of the ISPs we acquired. We created two brands and purchased four brands. My major technical projects included: the billing system and customer care software; mail system configuration and programming; inbound and outbound spam filtering; the backup system; billing system data imports for purchased brands; email configuration data imports for purchased brands; the multi-brand IVR/call center using asterisk; security infrastructure; and various complicated installations and upgrades over the years. Two of the purchased brands were integrated transparently so that the customers were mostly not aware of the transition. After achieving substantial profitability, I arranged an asset sale so that I could focus on my next activity without the distraction of running my own business.

