

Daniel Mason

OBJECTIVE

Comprehensive development and management of complex Unix infrastructure in a high-availability Internet service environment.

EXPERTISE

Engineering geographically redundant Authentication, DNS, Email, and Web platforms in an Internet service environment.

Integration of open source, load balancers, network storage and Unix servers to provide fault-tolerant Internet services.

Fourteen years of work experience with Unix operating systems FreeBSD, Linux and Solaris in an Internet service environment.

Vertically integrated infrastructure management of hardware, operating system, application, performance and monitoring.

Extensive use of Perl and SQL while working with industry proven standards such as Apache, BIND, MySQL, and Postfix.

In-depth knowledge of TCP/IP and Internet service protocols such as DNS, HTTP, IMAP, POP3, RADIUS, and SMTP .

EXPERIENCE

Senior Engineer, April 2011 – Present, CenturyLink

Integration of legacy Qwest, Centurytel and Embarq DNS resolver infrastructures using Qwest developed anycast platform.

Migration of legacy Centurytel and Embarq hosted domain names to Qwest developed authoritative anycast platform.

Coordination with Federal authorities to provide reliable service to users infected with malware as part of Operation Ghost Click.

Management of DNS resolver infrastructure answering over 300,000 queries per second during peak hours.

Lead Internet Systems Engineer, January 2006 – April 2011, Qwest Communications Corporation

Engineering and management of anycast resolver and authoritative DNS platforms operating 100 servers in 50 locations.

Development of automated tools for maintaining complex groups of systems, ensuring rapid and consistent change management.

Built an infrastructure managing 115 terabytes of RAID5 storage transferring 600 megabit per second to Usenet worldwide.

Conversion of legacy load balancing equipment and deprecated DNS-based techniques to proven load balancing technologies.

Continuous development of statistics and server metrics to ensure both capacity and availability of critical services.

Demonstration of financial accountability by providing operational oversight of projects to prevent unnecessary expenditures.

Participation in 24/7 on-call rotation supporting systems deployed nationwide to provide business-critical Internet services.

Senior Unix Systems Administrator, May 2004 – December 2005, Vector Internet Services, Inc.

Unix Systems Administrator, September 1999 – October 2002, Vector Internet Services, Inc.

Technical Support, April 1997 – September 1999, Vector Internet Services, Inc.

INTEGRITY

Operational ownership of system problems and outages to ensure swift resolution and minimal customer impact.

Strict adherence to technical procedures and corporate policies to ensure transparency and accountability.

Evaluation of service provider exposure to availability and capacity liabilities and expectations.

Coherent and comprehensive verbal and written communications with an attention to detail and specificity.

Decisive approach to meetings and conference calls with the ability to logically and objectively debate technical details.

Meticulous management of hardware assets to ensure the maximum effectiveness of capital expenditures.

Balance of engineering best practices and fiscal responsibility to achieve unparalleled performance.