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### **Overview:**

- Over a decade of experience designing web products, primarily in Perl.
- Significant experience administering Unix/Linux systems.
- Worked on the world's largest commercial deployment of broadband over power line and intelligent power grid systems while at Current Communications.
- Worked on Road Runner from Rochester launch through product maturity.
- A history of working in a fast-paced, start-up environment.
- Designed sites for both freelance clients and for a large corporate organization.
- Degrees in design and technology.

### **Areas of expertise:**

System administration, application development, large-scale system operation, technical and user documentation, design and automation via the Web.

Skills include:

- Perl for systems administration
- Perl for Web applications
- SQL
- Linux System Administration
- Web design and automation
- Application and system scaling
- Database management (MS SQL, MySQL)
- Javascript programming, including AJAX
- XML and DocBook documentation
- Needs Analysis
- Development & testing
- Graphic Design

### **Work Experience:**

#### **Current Communications**

Rochester, NY, 2004-Present.

*System Engineer, 2006 - Present*

*Lab manager, 2004 - 2006*

- Wrote multiple web applications **using Perl**. This encompassed many scripts dealing with a **diverse network of over 10,000 Linux-based 'smart' systems**, including traffic analysis, system management, and automation of the quality measurement of the power line system, .
- **Charted usage patterns of over 50,000 broadband over power line customers**, with Perl-based scripts and web pages, using data from Sybase and MySQL databases connected to Cisco SCE traffic shaping devices.
- **Built and managed MySQL servers running on Red Hat Enterprise Linux** as a back end for web applications, and for a number of high volume data storage applications.

- Managed Voice over IP call quality information across multiple customer regions in Cincinnati and Maryland, and **generated trouble reports and quality statistics from this raw data, using Perl** to create both plain text and graphical reports.
- Evaluated and recommended trouble ticketing systems, address information, software upgrades, and installations of in-house customized software.
- **Configured and maintained** lab and field devices including Cisco routers, switches, PIX, SCEs, and **approximately 20 servers running a mix of Red Hat Enterprise Linux.**
- **Built and managed multiple power line networking lab environments**, including network devices, servers, and proprietary power line networking equipment, for use by Engineering, QA, and IT departments.
- Tested and reported on a variety of customer premise equipment for use in a networked power line environment.

### **Time Warner Communications**

Rochester, NY, 1998-2004

*System Engineer, 2001 - 2004*

*Online Editor, 1999 - 2001*

- **Launched, managed and produced all local websites for Time Warner**, including [www.rochester.rr.com](http://www.rochester.rr.com), [www.twrochester.com](http://www.twrochester.com), [www.discoverrochester.com](http://www.discoverrochester.com), and [www.rnews.com](http://www.rnews.com) using a mix of Perl, Cold Fusion, and Microsoft SQL Server.
- Administered a number of **Red Hat Linux and Windows NT servers.**
- Created tracking and evaluation system with Call Monitoring Group to track individual Customer Service Professional performance on phone calls.
- **Created TV listings website** showing program schedules for over 700 channels for multiple cable regions, in Perl, based on set-top data from Tribune Media Services.
- **Built content management system for the 50-person 'R News' 24-hour news channel** using Cold Fusion, completely replacing, at no cost, a buggy contractor-built system.
- Built abuse tracking system in Perl, allowing the Rochester division to **handle customer spamming/hacking attempts at 4 times the rate** of other, similarly-sized divisions.
- Worked with local organizations such as City Newspaper, Landmark Society, The George Eastman House, InnovaTV, StudioOne, and The Car Place to add new on-line content.
- Created and maintained a feedback relationship with Rochester users in local newsgroups and user group meetings.

### **Multimedia/C++ Tutor, IT department at Rochester Institute of Technology**

Rochester, NY, 1997-1998

- Assisted students taking core requirements for IT bachelor and master's program.
- Taught at least one normal or distance-learning introductory C++ class to other students, per academic quarter, while taking a full-time graduate program.

**Web developer at Internet Headquarters**

Rochester, NY, 1996-1997.

- Performed web site construction and maintenance for a variety of clients.
- Created or maintained web sites for clients such as Transcat, the Greater Rochester Association of Realtors, Citibank Student Loans Corporation, and a number of local businesses, in 'plain HTML' or generated dynamically with Perl.

**Education:**

- BS (Cum Laude), Industrial Design, Rochester Institute of Technology, 1997.
- MS in Information Technology from Rochester Institute of Technology, 2002.

**Related Experience:**

Member of DragonFly BSD Project (2003 – present), a new open source operating system similar to Linux, with commit access to the project source code. Created and converted SGML/XML documentation, built the website, and maintained regular public reports on the project's progress.