

# Ronald J. Sweeney

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## Objective

*Information Technology position in Healthcare where over 8 years of experience and leading edge participation in the industry will add value to operations.*

## Abilities

- Languages (years): Perl (3) Ruby (2) C# (3) Java (2) SLC500 (2)
- Technologies (years): Win32 (10) UNIX (5) Linux (5) Mac OS X (3) .NET (3) Microsoft Clustering (3) SAN (4) Citrix (3) Active Directory (3) Vmware ESX (3) Samba/FastConnect (3) VTK (1) OsiriX (2) MIRC (2) dcm4chee (1)
- Standards (years): HTTP (7) DICOM (5) HL7 (4) SNIA (2)
- Web applications (years): open source development (4), Ruby on Rails (2), Web Services (3)
- Proprietary Solutions (years): McKesson PACS (4) Cerner Millenium (3) OpenView (2) IBM Director (2) Witt Biomedical(Phillips) (2) Legato Disk Extender (4) IBM-TSM-HSM (2) See Beyond Egate(>1)

## Technical Accomplishments

- Engineered, Deployed and Support 5 Microsoft 2003 Clusters for FILE, PRINT, Cerner Warehousing, and SQL Server 2005.
- Developed monitoring application for McKesson PACS that involved writing a WMI Provider, WMI Adapter, Web Services Front End and ASP.NET/C# Dashboard.
- Proven programmer in C#, Ruby, JAVA, and Perl.
- Extensive experience with SAN technologies including install, migration and clustering.
- Experience with in-band and out of band storage migrations.
- Substantial experience with Ruby on Rails, including the authoring of a complete CMDB for asset tracking and support of technology assets.
- Installed MIRC Teaching Repository for Regional Use.
- 7 years System Administration experience in various capacities.

- Highly effective troubleshooter and debugger. Proficient with Sysinternals software and Windows Debugging Tools.
- Served as Technical Lead on multiple high profile projects in Radiology PACS, Cardiology PACS, and File/Print Services in Active Directory.
- Authored and presented a successful Service Level Agreement Measurement application to a Radiological Society Conference in Orlando, FL.
- Have drafted and made available whitepapers on practical uses of open source software including Zebedee, Nagios, Cacti, Smokeping, Ethereal, Ruby on Rails,
- Chair of Special Session “Open Source Software in PACS” at SCAR conference in Austin, TX.
- Engineered Red Hat Linux Cluster
- Implemented Intrusion Detection Systems for Information Security both host based and network based

## Work Experience

Spectrum Health  
 Grand Rapids, MI  
 Programmer/Analyst 4  
 2007 – present

- Upgraded eGate 4.5.3 to 5.0.5 SRE.
- HL7 Troubleshooting
- Systems Integration with McKesson PACS.
- Support roles in eGate system integration.
- Support roles in Cerner system integration.

Spectrum Health  
 Grand Rapids, MI  
 Engineer 3  
 2003 – 2007

- Implemented TSM-HSM.
- Discipline in SAN attached servers.
- Engineered Several Microsoft Windows Based Clusters.
- Built from the ground up a full blown CMDB and tracking application with Ruby on RAILS framework.
- Wrote several C# applications for general purpose system administration including Event Browsers, Enumeration utilities, and various WMI harvesters.
- Implemented IBM Director on both the Linux platform and Windows platform.

- Duties include provision and support of various platforms, such as virtual hosts, blade hosts, and other IBM hardware.
- Support roles in Directory Services and Citrix.

Spectrum Health  
Grand Rapids, MI  
I&TM Programmer/Analyst 3  
2001 – 2003

- Served as PACS Technical Architect for implementation of Radiology PACS. Included Remote PACS viewing, ancillary site installations, HL7 interfaces, and DICOM configuration.
- Served as Technical Architect for Cardiology PACS project.
- Coded and implemented software to accommodate automating of proprietary software shortcomings.
- HACMP monitoring and hardening.
- Worked closely with vendors to ensure proper and effective implementation of new interfaces between systems.
- Made available policies that pertain to disaster recovery and business continuity as it pertained to Radiology PACS.

Spectrum Health  
Grand Rapids, MI  
I&TM Analyst  
2000 – 2001

- Implemented monitoring for the Cerner application and related systems.
- Made available policies that pertain to system integrity and the implementation of new/additional technologies.
- Management of HP OpenView network management station.· SNMP v1/2c/3 secure implementations.
- Wrote all ITO templates as it pertains to Spectrum Health Enterprise Monitoring Systems.
- Scripted several Ad-Hoc reports and System Dashboards as it pertains to individual system monitoring.
- Implemented Cisco's "Ready, Set, Go!" best practices as it relates to threshold monitoring.
- Engineered, implemented and documented a secure solution for monitoring SNMP v1/2c for bastion hosts. Published the paper to various security related repositories and presented the solution at a local user group at Herman Miller ( REF ).
- Policies: Create, enforce, and make available policies that pertain to system integrity and the implementation of new/additional technologies.

- Coded a Cisco LEAP penetration tool that was published to Packetstorm and used for wireless auditing. Wrote an extremely sensitive signal quality graphical utility to investigate AP signal strength ranges, and a war driving utility and wrapper for dstumbler.

Spectrum Health  
 Reed City, MI  
 System Administrator  
 1998 – 1999

- Implemented an effective and redundant data backup system to ensure data for disaster recovery policies.
- Engineered and implemented an Intrusion Detection System on a fully switched network utilizing open source software and available hardware. System includes Web Logging, real time notification, and automatic report generation for security documentation.
- Installed, configured, and made available an effective intranet server for campus specific operations. Authored and coded various web based programs used to help aid health care professionals at the facility.
- Upgraded Windows 3.1 desktops to Windows NT paving the way for desktop driven productivity tools, and providing proper desktop and shared application security.
- Worked closely with vendors to ensure proper and effective implementation of new interfaces between systems and medical instruments.
- Made available policies that pertain to system integrity and the implementation of new/additional technologies.
- Engineered and implemented a shared 10bT network to a fully switched, 100bT network with fiber and T-1 connectivity to two WAN sites.

Metz Baking Company  
 Grand Rapids, MI  
 Second Class Plant Technician  
 1997 – 1999

- Install and configuration of manufacturing systems as required for the production environment.
- Basic PLC programming
- Ground up installation and configuration of APV pan line system and product movement system, which doubled productivity and reduced overhead on production costs by 25%.

## **Professional Organization Affiliation**

[grandrapids.rb](#) – Grand Rapids Ruby User Group  
[GRISSA](#) – Grand Rapids – Information Systems Security Association  
[SUMMIT](#) – Society for Users of McKesson  
[SCAR/SIIM](#) – Society of Computer Applications in Radiology

## Education

LinuxBox – Ann Arbor, Michigan Linux System Administration  
Hewlett Packard – Downers Grove, IL HP-UX 11.0 System Administration  
Hewlett Packard – Downers Grove, IL ITO UNIX System Administration  
Cerner-Citation – Chesterfield, MO System Management Laboratory Information Systems  
Ferris State University – Big Rapids, MI General Studies  
Rockhurst University – Overland Park, KS Administering and Support Windows NT

## Contributions

White Papers:

[Enterprise PACS Monitoring with Nagios, Cacti and Smokeping](#)  
[Troubleshooting DICOM with Ethereal](#)  
[Installing DCM4CHEE on Mac OSX](#)  
[Installing MIRC on FReeBSD](#)  
[Encrypting SNMP V1/2 with Zebedee](#)

Software contributed to ClubPACS:

[DCMBrowse](#)  
[DICOM Buddy](#)  
[Pocket DICOM Buddy](#)  
[PACSTRAK](#)  
[HL7 Sniff](#)

Software contributed to Nagios Exchange:

[NagWatch32](#) – A Windows Event Browser for Nagios  
[check\\_dcm](#) - A DICOM plug-in for Nagios that monitors SCP and MWL  
[nagios2lcd](#) – A Nagios LCDProc Client

Software written for HP OpenView:

[ov2festival](#) – Speech Synthesis for OpenView Messaging!  
[ov2lcd](#) – ITO LCD Client  
[enlookup](#) – IANA OID lookup utility for SNMP

Software contributed to StackSys:

[ServWatch](#) – System Tray Application that watches the state of Windows Services and notifies on exception

## Personal

- Coach for Rocket Football, 10-11 year olds
- Project Founder, [Academic Medical Imaging, Western Michigan](#)
- Secretary and board member for the Michigan Ruby Group

- Enjoy Racing and Mountain Biking
- Favor BSD Operating Systems and MIT Licensure
- Own/Maintain Web Server for RAILS hosting that houses 12 other blogs and various web sites
- High interest in the Digital Imaging Revolution
- [Professional Blog](#)