Jonathan S. Lybrook   303-818-5187   JON@WSW3.COM

IT Consultant / Systems Administrator
WSW3 Networks - Erie, Colorado

Over 20 years as a dedicated Internet Consultant, System Administrator, Managed Service Provider, Project Manager, and Web Developer specializing in custom-built servers, web applications, and support.

Project Portfolio: https://wsw3.com/Projects

Designed, built, and maintained **custom servers and web applications** for SMB clients including membership portals, secure messaging systems, complex **health, nutrition and exercise tracking** websites, patient tracking CMS, online file repositories, reservation systems, content management systems, and **ecommerce** websites. Responsibilities include:

- **Troubleshoot** and solve technical issues related to web and file servers including **hardware, software, and networking**.

- **Design**, **deploy**, **and maintain** Unix/Linux-based systems and infrastructure to **support** organizational needs, including **user management, file servers, printers, and applications**.

- **Configure and optimize systems, services, and 3rd party web applications for performance, reliability, and security.**

- **Automate system administration tasks** using shell scripts, open source packages, and 3rd party commercial tools.

- **Recommend, implement and maintain network attached and cloud-based storage**, backups, and disaster recovery solutions to ensure data integrity and business continuity.

- **Perform system and email upgrades**, patches, and migrations in accordance with best practices and security policies.

- **Collaborate with web developers, designers, content creators, clients, and other stakeholders** to develop and maintain marketing websites, secure web applications, and ecommerce sites.

- **Work with development team and clients in selecting and implementing appropriate software tools, platforms, and analytics solutions** to support their online initiatives.

- **Write and maintain documentation**, including procedures, system configurations, and troubleshooting guides for users and admins.

- Write and refine written documentation and content using **ChatGPT**.

- Write python scripts for video editing tasks using **Claude.ai**.

- **Provide ongoing support, training, and consultation.**

Technology/Skills

- FreeBSD
- Red Hat Linux
- SUSE Linux
- Rocky Linux
- Sun Solaris
- Mac OS
- Windows Server
- Microsoft 365
- FreeBSD Jails
- Virtual Servers
- Virtual Hosts
- VMWare basics
- Samba Shares
- Perl & PHP Dev
- Dev frameworks
- Node.js / React
- MySQL/MariaDB
- PostGreSQL
- Import/Export
- Printer Support
- Apache / Nginx
- Website Security
- Backup & Restore
- Firewalls
- Cisco Switches
- EMail Servers
- Nagios Monitors
- ssh / scp / rsync
- Cloud Storage
- System Migration
- Git / GitHub
- Shell Scripting
- DNS / Bind
- Python basics
- Java basics
- Video Editing
- DaVinci Resolve
- Photoshop
- HIPAA / PHI
- SOX / PII
- ChatGPT
- Claude.ai

Production Engineer
Genomica, Inc. - Boulder, Colorado

2 years as Production Engineer providing **technical and internal marketing** support to this **scientific and genetic data** company's Reference Database product team. Duties included:

- **Run and debug custom data processing shell scripts** and procedures for aggregating complex sets of University-provided, human genetic research data. **Upload and verify packaged deliverables, change logs, and notify customers.**

- **Collaborate** with cross-functional teams including **Development, Engineering, and Testing/Quality Assurance** to ensure seamless production operations.

- **Conduct root cause analysis and implement corrective actions** for production issues to minimize downtime and defects.

- **Monitor server logs and system metrics** such as bandwidth, power consumption, and equipment uptime to identify areas for improvement.

- **Create and maintain internal system documentation and procedures**.

- **Provide technical support** to development and production teams. Troubleshoot equipment, software, and process-related problems.

- Create and **edit training videos and multimedia content** for the company intranet website and the Engineering Department.

Desktop Support
International Language Engineering - Boulder, Colorado

3 years **supporting 250 workstations** in 23 different spoken languages for **software localization** engineers and translators on a variety of operating systems including **Windows, Windows Server, Mac OS, Solaris, IRIX and others**. Duties included:

- Install, upgrade, and maintain operating systems in localized environments. Configure custom fonts, input devices, and language packs to ensure compatibility and functionality.

- Work with executives and internal customers in multiple departments to troubleshoot and address work-stopping issues related to information technology and client requirements.

- Troubleshoot and resolve issues related to font rendering, **character encoding**, and text display in various languages and programs.

- Use help desk software to document and escalate technical issues, bugs, and feature requests to IT support, or hardware vendors for resolution.

Education
University of Colorado, Boulder - Continuing Education in **Computer Science**
Bard College, Annandale, NY - Bachelor of Arts in **Filmmaking and Multimedia**