

Jonathan (Jon) Lybrook

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IT Consultant / System Administrator

Jan 2002 - Present - WSW3 Networks - Erie, CO

OVERVIEW: 25+ years as an independent Internet Consultant, System Administrator, Web Developer, and Project Manager focusing on custom-built and 3rd party web applications hosted on Linux and FreeBSD Unix. I enjoy managing and working with small teams to solve complex technical challenges and deliver solutions that meet the needs and goals of our clients.

Some types of web application systems we've built for clients include secure membership portals, secure messaging systems, complex nutrition and exercise tracking websites, online document repositories, resort reservation systems, custom content management systems, and ecommerce sites. Duties include:

- Assist clients in selecting and implementing appropriate software tools, platforms, and analytics solutions to support their online initiatives.
- Collaborate with web developers, designers, content creators, and other stakeholders to develop secured, web-based assets such as web applications, email lists, private forums, and social media accounts.
- Configure and optimize Linux servers and services for performance, reliability, and security.
- Design, deploy, and maintain Linux-based systems and infrastructure to support organizational needs.
- Automate system administration tasks using scripting languages.
- Troubleshoot and resolve technical issues related to Linux systems, including hardware, software, and network components.
- Conduct system upgrades, patches, and migrations in accordance with best practices and security policies.
- Implement and maintain backup and disaster recovery solutions to ensure data integrity and business continuity.
- Develop and maintain documentation, including system configurations, procedures, and troubleshooting guides.
- Provide ongoing support, guidance, and consultation to clients.

Relevant Skills: Software Project Management · Team Leader · Project Management · Linux/Unix System Administration · FreeBSD Unix · FreeBSD Jails · Virtual Servers · Droplet Containers · Red Hat Linux · Virtual Hosts Apache · SSI · MySQL · OpenSSH · Networking · IPV4/6 · Web Application Development · Web Application Security · Email Server Administration · Ecommerce Site Development · Server Backup & Recovery · Cloud Storage · Cloud Server Deployment · Hardware Procurement and Installation · RAID 1/5/10 · Perl · PHP · Javascript · Shell Scripting · GitHub · Configuration Management · Customer Service · HIPAA Compliance and Best Practices

Legacy Project Portfolio: <https://wsw3.com/Projects>

Production Engineer

Mar 2000 - Nov 2002 (2 years 9 months)

Genomica, Inc. - Boulder, CO

JOB OVERVIEW: Provide production engineering support to the company's Reference Database Product team. Duties included:

- Run data processing scripts and procedures for aggregating complex sets of University-provided, human genetic research data. Upload packaged updates and notify customers.
- Develop and perform production processes and procedures to prepare data for customers.
- Collaborate with cross-functional teams including development, engineering, and quality assurance to ensure seamless production operations.
- Conduct root cause analysis and implement corrective actions for production issues to minimize downtime and defects.
- Monitor production metrics such as bandwidth, power consumption, and equipment uptime to identify areas for improvement.
- Create and maintain documentation including standard operating procedures (SOPs), work instructions, and production schedules.
- Provide technical support to production teams and troubleshoot equipment or process-related problems.
- Manage and develop content for the company intranet website and the Engineering Department.

Relevant Skills: Linux · MySQL · Perl · Project Management · Norton Ghost · PHP · Shell Scripting · Customer Service · Solaris · Apache · Website Development · Java

Desktop Support Technician

1998 - 2000 (2 yrs)

International Language Engineering - Boulder, CO

JOB OVERVIEW: Support 250 computer users in 25 different spoken languages supporting localization engineers and translators on a variety of operating systems including Windows, Windows Server, Mac, Solaris, IRIX and others. Duties included:

- Install, upgrade, and maintain localization software, custom fonts, input devices, and language packs to ensure compatibility and functionality.
- Troubleshoot and resolve issues related to font rendering, character encoding, and text display in various languages and scripts.
- Document and escalate technical issues, bugs, and feature requests to IT support management or hardware vendors for resolution.
- Maintain inventory and documentation of localization-related resources, tools, and licenses.

Relevant Job Skills: Windows · Mac OS UNIX · Norton Ghost · Customer Service · System Configuration · OS Installations · Solaris · Microsoft Office