Michael O’Neil

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| Web Developer & Network Administrator |

* More than 25 years as a Network Administrator and Web Developer.
* The ability to build network infrastructure from the data center to the desktop user.
* The ability to integrate systems across multiple OS types and coding program languages.
* The ability to address a company’s needs, to increase communication, efficiency and productivity at or below budget on time.

Technology Summary

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| Certifications: | Registered Microsoft SPLA Program – since July 1999  Registered Microsoft OEM System Builder Program – since July 1999  Registered Microsoft Partner Program – since July 1999 |
| Systems: | Windows, Windows Server, CentOS, Debian, Ubuntu, PFSense |
| Devices: | Network Appliances, Managed Switches, Cisco, F5, Juniper |
| Languages: | PHP7.3, Bootstrap4, CSS3, HTML5, XML, JavaScript, jQuery, Bash, MS-DOS |
| Databases: | MariaDB, MySQL, MSSQL, PostgreSQL, FileMaker |
| Software: | Visual Studio Code, SublimeText, Android Studio, Dreamweaver, Git, Photoshop, MS Office |
| Services: | WAN, LAN, TCP/IP, DNS, DHCP, LAMP, LDAP, IPMI, KVM/IP, Raritan, OpenVZ, KVM, Samba, NAS, SAN, NAT VPS, VPN, VOIP, Firewall, Cluster, Virtualization, Failover, Azure, SolusVM, CPanel, PowerDNS, Unbound, HAProxy, Galera, Apache2, Postfix, RSpamD, Zimbra, Google Enterprise, Exchange, Active Directory, Nagios, Cacti |

Portfolio

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| [oneilonline.com](http://www.oneilonline.com/) | Web Hosting, Dedicated Servers, Computer Hardware, Custom Build Computers, Web Development, Network Administration, and Onsite Support. Serving the world wide web, corporations, and small companies across the United States for over 25 years. The website was built using HTML, CSS3, Bootstrap, PHP, MariaDB, XML, and Javascript. It incorporates a front end and a backend for support and a product database. The intranet integrates with WHMCS for auto updating inventory and the billing system. It also aggregates data from multiple datacenter inventories in realtime for realtime product updates. ONeilOnline was conceived from the ground up by its owner Michael O'Neil. |
| [OneSource](https://go.onesourcestaffing.com/) | OneSource is a human resource company that provides staffing, recruiting, payroll and benefits. This website is fully responsive for both desktop and mobile browsers. The website has an admin backend for managing content. Jobs can be posted in realtime and will automatically generate the google maps location information and a link that integrates with the in-house software for candidate application and account information. Additional scripts were created to automate and integrate the import and export of payroll with QuickBooks, ADP, Excel and a MSSQL database. This website utilizes PHP, CSS3, Bootstrap, and both a MySQL and MSSQL databases. |
| Lewith & Freeman | Lewith & Freeman is a real estate company ranked 2nd in the Northeast USA. I developed an intranet website for the financing department to track and monitor all properties, transactions, sales, buyers and rentals. Properties were imported from IDX using Spark and FlexMLS API that would be automatically added to the front-end website, and the back-end would be able to enter buyer and seller information and demographics to initiate the purchase process. The system allowed for all escrow, transaction and commission information to be entered and tracked throughout the process. Daily, monthly, yearly, and compare reports were automatically generated for display, graph, or export to excel. Based on the status of the property or payment status notifications would automatically be generated and sent to the necessary people. This website utilizes PHP, CSS3, Bootstrap, and both a MySQL and MSSQL databases. |
| fiberlay.com | Founded in the early 1950's, Fiberlay has grown to become a leading wholesale and retail distributor of composite materials and supplies. This website is a fully dynamic database driven website. It incorporates a custom ecommerce store, shopping cart, a back-end admin and intranet site. This website utilizes HTML5, HTML, CSS3, Javascript, JQuery, PHP, MSSQL, and MySQL. The backend integrates a Microsoft Dynamics NAV database with a Linux MariaDB database to aggregate data for all 50 product websites. Includes the UPS API for auto pricing shipments based on product weight. The intranet site included a fully functionally automated website template system to manage the 50 websites. The intranet site manages all employee info, sales reports, mileage reports and expense reports. It also manages all product spec info, images, pricing, tiered pricing and auto generates labels, barcodes, and GHS OSHA master data sheets. |
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| oorahgaming.com | Online game server and voice server hosting for over 40 games to customers around the world. Servers hosted out of 28 datacenters and a major supporter of the online gaming community. This website is a fully dynamic database driven website. It incorporates a custom ecommerce store, shopping cart, a back-end admin and intranet site. The website was built on HTML5, CSS3, Bootstrap, JQuery, PHP, Bash, and MariaDB. The intranet side integrates with the remote game servers to automatically create FTP, fast download, mods, and image repositories. |
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| balancehydro.com | Environmental Firm, serving the bay area for over 20 years. Custom website development and network administration from the ground up. Using HTML, CSS, PHP, MySQL, MSSQL, XML, Java, iphone and android app. Setup onsite web internet and intranet, ftp, email, and MySQL database servers. Primary automation was when a client account was created it would trigger client authentication, client website, ftp site, email accounts, and water monitoring station. Website features include, LDAP authentication, user management and tracking, realtime data, content streaming from databases, project database, custom user calendars, custom in/out board. Office infrastructure including network, servers, CAD PCs and user workstations also maintained by oneilonline. |
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| [For a complete portfolio visit here.](https://resume.oneilonline.com) | |

Experience

Independent Contract / Freelance Web Developer & IT Network Administrator DBA ONeilOnline

* **Network Administrator / Web Developer** (June 1994 – Present): Maintain the day to day operations of ONeilOnline. Maintain 320+ servers distributed across the world: Game Servers, Web Servers, Email Servers, File Servers, VPS Nodes and Cloud Servers. Remote installation of Windows Server and Linux over IPMI/KVMIP, configuration of IP Allocations, Trunks, VLAN, BGP, Routing, NAS, SAN, VPS, NAT VPS, VPN, Proxy, NAT, Server Clusters, High Availability, Databases, Redundancy, Backup Systems and other services. The configuration and custom scripting using Bash and PHP to automate services, functions, for redundancy and system status checks. Troubleshooting network related issues with routing and DNS using Ping, MTR, and Wireshark. Support online customers and web design clients with issues, troubleshooting, and web site updates. When necessary working with upstream ISP providers at the datacenters, like XO, Comcast, Century Link, Time Warner, Telia, Zayo, GTT, NTT, Cogent and various Internet Exchanges.
  + Setup and configure servers within an hour for rapid deployment.
  + Maintain and troubleshoot server security and issues to ensure uptime and performance.
  + Complete network administration of infrastructure to small and large businesses.
  + Web Development of dynamic ecommerce and database web sites using multiple languages.
  + Web Design and content management for web sites using graphic design software.
  + Sale of hosting services such as cloud, VPS, colocation, and dedicated servers.
  + Sale of computer hardware such as custom build servers, routers, and desktops.
  + IT Network Annual Budgeting and Assessment.
  + Network Disaster Recovery and Business Continuity Planning.
  + Software Licensing and Management.

Computer Visionaries - Pittston, PA

* **Web Developer** (January 2018 – August 2019): Develop, maintain and troubleshoot clients’ websites and web based application systems to ensure efficiency, productivity and to automate services. The integration of systems and databases into a cohesive unified user interface and service. Provide service and support covering a very wide range of services and systems.
  + Setup and configure Linux Bind, PowerDNS, Cron Jobs, MariaDB and Apache2 services.
  + Setup and configure Windows DNS, Active Directory, Report, MSSQL and IIS services.
  + The integration and migration of third-party services to local or remote service locations.
  + Working with clients to collaborate on the development of web services to ensure the final product was built accordingly and encompassed all requirements.
  + Support and train clients for new services and features.
  + Develop custom scripts or services to automate staff support, efficiency, and productivity.
  + Web Development of custom web application services for transition to, formatting, merging and integrating multiple services into one service.
  + Web Development of Android based applications for integration with services.
  + Web Development of client database driven websites of all sizes, applications and services for both the internet and intranet.
  + Web Development of client Wordpress and Joomla based websites.

Fiberlay - Seattle, WA

* **Internet & Marketing Manager** (June 2012 – October 2017): Maintain the day to day operations of all 50 ecommerce websites and the intranet website. Foresee the development of any necessary internet or intranet systems that may improve the user experience or user interface to ensure product revenue, staff efficiency and productivity. The configuration and implementation of custom scripts to automate services, DNS, website features, functions and status checks using Bash and PHP.
  + Web Development of 50 ecommerce sites and their product specific web pages and landing pages.
  + Web Development of dynamic internet, intranet, and client websites.
  + Integration of Microsoft Dynamics NAV database with a Linux MariaDB database to aggregate data for all 50 websites.
  + Setup, configure, troubleshoot, maintain the operations of all 50 domains, their respective subdomains, and email services.
  + Setup, configure, troubleshoot, maintain the company wide email server.
  + Marketing development of all online material for advertising, expos and conventions.
  + Graphic design of all logos, images, and materials for products, advertising, expos and conventions.
  + All the necessary marketing and graphic design materials for sales and manufacture representatives.
  + Integration of databases, resources and services to ensure staff efficiency & productivity.
  + Maintain and troubleshoot server security and issues to ensure uptime and performance.

Balance Hydrologics - Berkeley, CA

* **Network Administrator / Web Developer** (May 2003 – May 2012): Maintain and support the network infrastructure of Balance Hydrologics: main office, remote offices, and its remote users. An inventory of over 140+ desktops, servers, and network equipment. Develop intranet and internet websites for Balance Hydrologics and their clients. Including the setup, configuration, and maintenance of dedicated IPSEC VPN connections to remote offices and rural data collection locations, VLAN, NAT and Trunk for prioritization and quality control of data packets.
  + Maintain and troubleshoot server security and issues to ensure uptime and performance.
  + Complete network administration of infrastructure and implementation of a network policy.
  + Administration of remote access services and resources for remote and field offices.
  + Web Development of dynamic internet, intranet, and client websites.
  + Web Development of realtime graphing and statistics services for clients.
  + Integration of databases, resources and services to ensure staff efficiency and productivity.
  + IT Network Annual Budgeting and Assessment.
  + Network Disaster Recovery and Business Continuity Planning.
  + Software Licensing and Management.
  + Desktop support for end users.

Education

**Masters of Fine Art - Academy of Art University – San Francisco, CA - 2000**

* + Masters of Fine Art in Painting

**Bachelor of Arts - University of Redlands – Redlands, CA – 1998**

* + Studio Art Major – Emphasis in Painting, Sculpture, and Ceramics
  + Psychology Major – Emphasis in Interpersonal Relationships