Matthew R. Marich

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Sr. DevOps Engineer

Dedicated and highly motivated individual with over 15 years of system administration and 10 years devops experience. During my career I have worked on platforms utilized by Fortune 500 customers such as Ford, GM, FCA and VW. I have worked on the system security, automation and data migration team for a hosting company who won 'Web Host of the Year' for 7 years at Xbiz. I excel at keeping the platforms I manage stable, performant and reliable, and leveraging automation to improve workflows.

Skills

DevOps	Systems Administration
Infrastructure Design & Deployment	CI/CD
System Security	Scripting
Technical Support	Project Management

Professional Experience

INTERACTIONS DIGITAL ROOTS, NORTHVILLE, MI – Social Network Content Aggregation Platform utilizing Natural Language Processing and Machine Learning

Sr. Systems Administrator/DevOps Engineer: May 2019 to June 2022

Systems Administrator/Devops Engineer: Oct 2014 to May 2019
Increased the availability and speed of the Digital Roots platform by performing multiple infrastructure overhauls. Since we provide a platform for Fortune 500 Companies, we had the need to implement a fast, secure and scalable platform. At Digital Roots, I changed tooling and implemented pipelines to operations, which increased reliability and deliverability timelines.

Selected Accomplishments:
● Adopted use of Kubernetes, trained multiple parent organization departments on how to use and best practices. Assisted the various departments in building out their manifests and Helm Charts.
● Assisted multiple teams in containerizing their applications and creating or modifying their Gitlab CI. Deployed GitOps practices using Argo CD within the Kubernetes clusters.
● Implemented Configuration Management Tools and Infrastructure as Code to improve consistency across platform and deliverability for projects.
● Following company acquisition, consolidated Gitlab server codebase via own migration scripts. Lead project from start until completion spanning multiple teams including hundreds of code repositories, including many users, groups and integrations that were also migrated.
● Setup Security Information and Event Management solution for monitoring specific endpoints. Created platform specific rulesets to increase security event logging and perform various types of active responses such as security ticket creation and/or IP bans.

THE AWKWARD YETI, LIVONIA, MI - Webcomic

Systems Administrator and Web Host: Apr 2014 to Current
Due to popularity of The Awkward Yeti and the Heart and Brain series, the old web host couldn't support the traffic for this site. With trending images that appear on Reddit, Cheezburger and 9gag the site needed to be on an optimized setup to allow for optimal user experience. Since moving from the old host to my platform, The Awkward Yeti comics can now be viewed by thousands at any given moment while on a budget. Since moving, the Facebook page for the comic has grown from 75,000 followers to over 2.3 million followers.

MOJOHOST, SOUTHFIELD, MI – Fully Managed Server Hosting

Systems Administrator: Sept 2013 to Oct 2014
Setup, maintain and migrate CentOS and Debian LAMP (Linux, Apache, MySQL, PHP) servers in a 2000+ international server environment. Maintain customer accounts via phone and PerlDesk ticket system. Facilitate hardware upgrades/replacements with remote hands via datacenter technicians in Miami and Amsterdam. Use proactive alerting system and system graphs to provide the highest availability time possible.

Selected Accomplishments:
● I was on the Security, Automation and Migration Teams. As such I would write and maintain many scripts to assist with my daily tasks.
● Provided a large majority of Debian server administration for Colo-Cation (Company Name) systems that MojoHost acquired in a recent company purchase, performing a large overhaul of infrastructure.
● The technical staff at MojoHost were all primarily familiar with CentOS. As such, all of their tooling was based on that Linux distribution. I updated this tooling to work on both CentOS and Debian based systems.
● Overhaul of Windows domain infrastructure and security.

NEXT INDUSTRIES LLC., DOVER, OH

Chief Technical Officer/Co-Founder: July 2010 to Feb 2016
Setup and maintain IT infrastructure and implement software solutions where necessary. Implemented and maintained company servers. Manage social networking for company, conducting B2B and B2C networking.

Selected Accomplishments:
● Forked and tuned a CRM system for use by our office administrators, manufacturer representatives, and employees, to fit specific needs of each department. This CRM allows for easy customer, lead, and opportunity input into our database and has project tracking, collaboration, and email-based marketing through use of target groups.
● Developed mobile applications for company for use by resellers which allowed for current price lookup and the ability to submit requests for quotation. Integrated this with CRM platform.
● Setup intrusion detection and prevention system to thwart attackers and notify admin staff of these attempts.

WILKSHIRE COMMUNICATIONS INC., BOLIVAR, OH – WISP, National Dial-up ISP, Server Co-Location, Fully Managed Server Hosting

Chief Technical Officer: Dec 2010 to July 2012

Sr. Systems Administrator: Aug 2009 to Dec 2010

Systems Administrator: Oct 2006 to Aug 2009
Setup and maintain LAMP servers for webhosting, mail servers, spam/virus proxies, DNS servers, and deploy server load balancing to increase availability. Other tasks include project management, advanced technical diagnostics, and external business infrastructure design and deployment.

Selected Accomplishments:
● Implemented web administration control panels for vhost servers. This allowed hosting customers to be self-serve on certain administrative tasks.
● Created middleware that allowed OptiGold ISP to communicate with the APIs of the vhost servers.
● Increased business effectiveness and uptime while decreasing business carbon footprint and cutting operational costs. Minimized physical infrastructure through virtualization.
● Increased network availability time while under a strict networking budget.

Technology

Operating Systems:	Linux – CentOS/RedHat/Debian/Ubuntu/Gentoo, Mac OS X, Windows 95/98/XP/Vista/7/8/10, Windows Server 2003/2008/2012/2016
Databases:	MySQL, MongoDB, MSSQL
Server Virtualization:	KVM, OpenStack, VMware
Containerization:	Docker, Docker-Compose, Kubernetes, Helm Charts
Cloud Providers:	AWS, Google Cloud, Digital Ocean
Scripting:	Bash, Python, Perl, PowerShell, VBScript
Configuration Management:	Chef, Salt
CI/CD:	Gitlab, Jenkins
GitOps:	Argo CD, Flux
Infrastructure as Code:	Terraform
Availability:	Nagios, Cacti, Zabbix, CheckMK, Prometheus, Grafana
Programming:	Java, Visual Basic, C++, Objective C
Web Standards:	Apache, Nginx, Lighttpd, PHP, HTML, XML, CSS, Javascript

Education

BELMONT COLLEGE, St. Clairsville, OH

Associate of Applied Sciences: Systems Networking
Courses focused on Network Infrastructure, Windows Server Operating Systems, Windows Desktop Operating Systems, Unix Operating Systems, and Web Programming.

Affiliations: Phi Theta Kappa

Certification and Training

Computing Technology Industry Association (CompTIA)
● IT Operations Specialist Certified
● Network Infrastructure Professional Certified
● A+ Certified
● Server+ Certified
● Network+ Certified

AWS Training:
● AWS Essentials
● Architecting on AWS
● Migrating to AWS

Audio Institute of America Recording Engineering and Music Production Diploma

OSHA 10 General Industry

References on Request