

JESSE SCHOEPFER

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Professional Highlights

May 2022 – Current

Foresight Technologies

Philadelphia, Pennsylvania

Senior Systems Engineer

DevOps Automation

- o Developed MSSQL Always On clustering providing HA to multiple micro service based applications
- o Implemented Python and PowerShell automation augmenting AWS EC2 deployment pipelines
- o Developed Puppet DSC to both prevent configuration drift and automate distributed service deployment.
- o Created custom Terraform modules to implement secure client data backup at scale
- o Assisted with project planning and agile software development best practices

Jan 2016 – May 2022

Webjogger

Lake Katrine, New York

Lead Engineer

System design, project management & automation application development

- o Provided technical and administrative leadership to a team of projects engineer across multiple clients
- o Implementing and maintaining VMware, Hyper-V, AWS and Azure virtual environments
- o Deployed disaster recovery and redundancy environment for large campus environment
- o Implemented cross vendor automated backup alert monitoring system for managed services clients
- o Created CI/CD environment using GitLab and Docker for on-going company software development
- o Created automated network scanning and report generation tool for security auditing
- o Engineered PRTG monitoring integration with Auto Task ticketing system & Pager Duty alerting
- o Designed and implemented Citrix XenDesktop disaster recovery environment using dynamic DNS (GSLB)
- o Engineered and implemented multiple major restructuring projects for large client networks, including dynamic routing, cloud replication, 2FA deployments and business intelligence automation
- o Implemented multiple mail migrations, moving from on-site Microsoft Exchange to Office 365, using automated tooling
- o Configured SIEM Intrusion detection using Wazuh & Graylog as part of anti-malware suite
- o Engineered and implemented hybrid cloud datacenters using AWS EC2 and Azure Cloud Compute

Nov 2014 – Jan 2016

Constructure Technologies

Melville, New York

Field Service Systems Engineer

System administration, network installation & mal-ware prevention research and development

- o Support highly available virtual and physical Microsoft Windows infrastructure environments utilizing domain services for over 100 small and medium businesses
- o Implemented automated firewall backup and version control system for 15+ firewalls
- o Configured research and development environment for malware study
- o Assisting with new technology and integration brainstorming to help business automation
- o Provide support to end users relating to hardware, software, networking, and operating system issues
- o Helped mentor level 1 help desk technicians both technically and professionally

July 2014 – Nov 2014

Connected Technology

East Setauket, New York

Mobile Desktop Network Technician

Technical support, system maintenance, network installation & infrastructure

- o Implemented IP-PBX (SwitchVox 80) for 18 line medium business. Set up IVR menus, permissions, groups, call queues and conferencing. Client had a significant increase in productivity as a result.
- o Implemented Windows 2003 to 2012 AD server migration (DHCP, AD, DNS) from legacy hardware.
- o Coordinated deployment of 80 line Cisco tele-presence phones. Worked with two techs, three managers and one CEO. Was able to ensure deployment for critical enterprise location transition.
- o Help improvise Windows 8 system deployment workaround of 200+ PC's using open source software tools. Efforts helped resolve deployment issues concerning tight deadline.

March 2005 – Current

IT People Consulting

Stony Brook, New York

System Engineer & Technology Consultant

Engineering system solutions, providing user training & network maintenance

- o Implemented OpenVPN and Ubiquiti Wifi network via virtualized PfSense routers and Linux servers
- o Created SCRUM Software planning and development environment for remote development
- o Implemented hosted data replication system using off-the-shelf hardware, ZFS, and distributed file storage
- o Used Terminal Services to compartmentalize legacy database client. Database server was converted to a VMware virtual machine to allow for more streamlined future upgrade path. Backup shifted from weekly onsite to nightly online via offsite backup in addition to redundant NAS backup.
- o Reduced user downtime related to database accessibility issues by implementing resource/network monitoring solution to reduce downtime. Established global access to data via RDP Gateway.

Technical Experience

Software Development:

Languages Python, Terraform, GoLang, PowerShell, Puppet, LUA, SQL
Databases PostgreSQL, Redis, MySQL, Microsoft SQL, SQLite
Tools JetBrains Suite, VSCode, Git, Maven, Jenkins, JIRA, Github
CI/CD Docker, GitLab, GitTea, DroneCI, Vagrant, Hashi Vault, Graphana, Prometheus

Hardware:

Routers/Firewalls Cisco, Fortigate, Ubiquiti, SonicWall, PfSense, OpenWRT
Switches Cisco, HP,
Wireless Buffalo, Cisco, Ubiquiti
SAN Dell EqualLogic, EMC Unity, TrueNAS
Load Balancers Citrix Netscaler, KEMP LoadMaster, Zen/Zevenet Load Balancer

Network Related Software / Systems:

Virtualization VMware ESXi, Citrix XenServer, Microsoft Hyper-V
Monitoring PRTG, LibreNMS, Greylog, LanSweeper, Nagios, Logzilla, PagerDuty
Windows WSUS, RD Gateway, Terminal Server, KMS
Linux Debian, Ubuntu, Kali
VoIP Cisco UCM, FreePBX, Elastix, Allworx, Digium Switchvox, Cisco UC
Network Security Nmap, Wireshark, Ettercap, Etterape, Metasploit, Wazuh, Cylance
Backup Veeam B&R, Acronis
RMM Systems ConnectWise, Autotask, Lab-tech, Continium, N-able

Education

2015 **Dowling University** **Oakdale, New York**
Information Systems Management
Masters of Business Administration

2010 **SUNY Stony Brook** **Stony Brook, New York**
Sociology & Psychology
Bachelors of Arts

2006 **Suffolk County Community College** **Selden, New York**
Liberal Arts
Associates of Arts

Certifications & Awards

AWS Amazon Web Services Solutions Architect – Associate (2022)
Dowling College Delta Mu Delta: International Honor Society in Business (2014)
Fortigate NSE 1 (2019), NSE 2 (2019), NSE 4 (2020)
Allworx: Allworx Certified Professional (2016)
Digium: Certified Switchvox Engineer v2, Asterisk Integrator (Sep 2014)