

SYLVESTER ZAREBA

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SUMMARY

Cloud, Cloud, System & Infrastructure Architect with 12+ years of experience designing and managing multi-platform cloud infrastructures across AWS, GCP, OCI, and Azure. Proven expertise in automation, security hardening, and optimizing enterprise IT environments. Hands-on experience architecting GPU-accelerated AI infrastructure (NVIDIA T4, A40) to support scalable machine learning workloads. Passionate about leveraging innovative cloud and AI technologies to drive efficiency and scalability in mission-critical systems.

TECHNICAL EXPERTISE

Cloud: AWS (Lambda, EC2, VPC, IAM, CloudWatch), Azure, Google Cloud, OCI.

Networking: Cisco, Watchguard, F5 Load Balancers, VPN, VLAN, IPv6, TCP/IP.

Automation: Python, Bash, PowerShell.

Virtualization: Oracle Virtual Box, VMWare, vSphere, ESXi, Xen Server, Docker.

Security: Penetration Testing, Metasploit, Rapid7, Qualys, Security Hardening.

Databases: Oracle 11g, MariaDB, File Maker Pro 13.

OS Platforms: Windows Server 2019/2016/2012, CentOS, Ubuntu, FreeBSD, Mac OS.

PROFESSIONAL EXPERIENCE

Senior Cloud, System & Infrastructure Architect
JobDiva, New York, NY.

May 2016 – Present

- Architect and deploy multi-platform cloud solutions across AWS, OCI, GCP, and Azure.
- Execute seamless migrations from on-premises or between tenants to the cloud.
- Manage IAM policies, Security Groups, Load Balancers, NAT, Public and Private Networks, Internet Gateway, and establish secure Site-To-Site VPN connections, ensuring a robust and secure cloud environment.
- Utilize CloudWatch for automation, configuring and maintaining real-time monitoring, logging, and implementing Elastic IPs for persistent public IP addresses.
- Design and implement AWS VPCs, optimizing EC2 instances, and implementing serverless architecture with Lambda for enhanced performance and cost-effectiveness.
- Perform penetration tests, vulnerability scans (Metasploit, Rapid7, Qualys), and remediate security issues in cloud infrastructure.
- Create and maintain data center layouts, network diagrams, and cloud architecture for comprehensive documentation and visualization.
- Develop automation solutions leveraging Bash/sh, PowerShell, and Python to increase operational efficiency.
- Assist with audit processes such as SOC 1 & SOC 2.
- Architect and deliver AI systems leveraging NVIDIA T4 and A40 GPUs for high-performance, scalable machine learning workloads.
- Configure, install, and maintain network equipment; Aruba/HP/FS switches, F5 load balancers (LTM) and Watchguard Firewalls.
- Server installation, configuration, maintenance, and troubleshooting.
- Diverse knowledge and support of Linux, Unix, Xen Server, and Windows Server systems 2008R2/ 2016 /2019/ 2022.
- Windows DC Servers, Group Policy/Exchange, and Active Directory/Office 365 administration: manage employee accounts and email/mailbox moves.
- Installation, configuration and diverse knowledge of SAN and NAS devices such as Pac Storage & QNAPS.
- Create and manage DNS records on DNS registrars, Cloudflare, He.net, Network Solutions, and GoDaddy.
- Utilize security and load balancer (GTM) features of Cloudflare domain registrar.
- Setup new email servers, Power MTA Port25, Kerio Connect and add PTR, SPF, DKIM and DMARC records.
- Perform software/firmware upgrade, configuration, and security.
- General supervision and mentoring of System Administrators, ensuring the performance of all personnel.
- Evaluate overall operations of computing and IT functions and recommend enhancements.

Union Square Hospitality Group, New York, NY.

- Installation and configuration of SAN/NAS storage devices.
- VMware/XenServer Windows Servers management/maintenance/installation/configuration, and administration.
- Perform support of networking protocols such as TCP/IP, DNS, DHCP, RADIUS.
- Upgrade network equipment to latest stable firmware releases.
- Cisco firewall/router/switch/Wi-Fi/access point configuration, backup, and installation.
- Mount, replace, connect, and disconnect network devices/servers/ups units/batteries/rack network systems.
- Perform backups/file recovery Veeam Backup/Symantec Backup 2010/2013/change Data Cartridges.
- Document network problems, changes, and resolution for future reference.
- Support for multi-site connectivity for LAN, WAN, IP phone systems and remote connectivity through Citrix and CISCO VPN 5.0 client.
- Resolve and escalate telecom issues with VoIP and CISCO IP phones.
- Participate in important technological department projects such as hardware/software migration, moves, deployment and changes.
- Provide conference room support with EPSON, DELL projectors, Mondopad and Polycom hardware.
- Support Tablets/IPads/Surface3 and Mobile devices such as iPhones.
- Interact with vendor support contacts to resolve technical problems with desktop computing equipment and software.
- Support in testing and deployment of new applications and systems.
- Install/upgrade/maintain hardware and software on Windows 7/8/10 and Mac workstations.
- Provide Securities Solutions: Antivirus, Webroot, Microsoft Essentials/ Malwarebytes.
- Deploy, configure and maintain Printers/Scanners, docking stations, MAC and DELL Desktop /Dual Screen / Laptop Computers.
- Support provided via desk-side and remote access by utilizing RDP and LOGMEIN remote access software.
- Troubleshoot assigned tickets to determine if issue can be resolved or determine appropriate group for escalation.

EDUCATION**NEW YORK CITY COLLEGE OF TECHNOLOGY/CUNY**

Bachelor of Technology in Computer Systems

**Brooklyn, NY
2019****LAGUARDIA COMMUNITY COLLEGE/CUNY**

Associate in applied science, Computer Operations

**Long Island City, NY
2012****CERTIFICATIONS**

Oracle Cloud Infrastructure 2024 Foundations Associate.