Robert Rein

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PROFESSIONAL EXPERIENCE
**Winnebago Industries November 2022 – February 2025**
**Architect**.
Charged with Managing Microsoft Azure Cloud Environment.

1. Designed, built, and managed a chargeback system for departmental Azure Cloud usage on a monthly billing cycle.
2. Automated all IT Infrastructure Operations, with PowerShell scripts that would perform multiple steps, replacing point and click on GUI based screens.
3. Assisted in Implementing and Managed Azure Virtual Desktop environment ensuring proper security, decommissioning and monthly patching.
4. Assisted in managing on-premises VMWARE and HYPER-V environments, utilizing my automation skills to build and destroy virtual servers and workstations.

**Delta Airlines Contractor to Employee**

**Design Architect – Endeavor Air a subsidiary of Delta Airlines January 2019 – November 2022**

1. Primary Architect for Delta Connections, Endeavor Airlines.
2. Automated Server administration via PowerShell GUI application, to administer common server functions from one central location. Removed the need for SMEs to sign directly onto servers and use point and click to manage servers. Used primarily in the evening to start and stop the airlines programs to patch, upgrade and perform standard maintenance, reducing the time to completion by 75%.
3. Design, Document, and assist in the operation of all airline software products.
4. Only Architect on a 2 to 3-year project to update the airline software from Sabre systems, which is currently 20 years old, to a new Sabre Next Generation suite of applications.
5. Primary Product Owner on a disaster recovery program between Minneapolis and Atlanta.
6. Implementing HA for critical level applications, to avoid SLA violations.
7. Primary Architect on Endeavor Air migration to AWS.
8. Principle Infrastructure and Operations Engineer

**United Health Care February 2012 – December 2019
IT Manager then Principal Infrastructure and Operations Engineer**

1. As Team Leader and IT Manager, we built new virtual and physical servers for multiple projects, with 5 engineers reporting to me. Linux and Windows operating systems.
2. Designed multiple storage needs on Hitachi, EMC and NetApp storage arrays.
3. Managed multiple Linux installations using CHEF configuration software.
4. Streamlined build process from days to hours for both virtual and physical by utilizing scripting and pre-boot technologies. Covering all builds to include Linux, Windows, Clusters, Oracle RAC and AIX.
5. I have routinely interacted with peers for security system, networks, storage, security and VMWare to ensure proper delivery of all project systems.
6. Used terraform to manage the entire life cycle of the server, allowing for utilization of multiple cloud technologies in one core set of DEVOPS code creating, managing and utilizing a totally homogenous environment to include our private cloud (Amazon and Microsoft).
7. As a product owner with an Agile development team, I leveraged my multi-faceted IT technology experience, contributing to the building of new Health Care Exchanges for the following States: Massachusetts, Colorado, Arizona, Arkansas, Virginia, and West Virginia.

**Crossview, Inc.
IT Manager October 2007 – February 2012**

1. Manager of a team of 5 IT system engineers.
2. Supported HP Storage arrays connected via fiber optic with Raid 10 technology.
3. Supported 2 24/7 datacenters in Fremont California that are connected Site to Site with 10 Amazon EC2 cloud environments.
4. Implemented, organized, and maintained a VMWARE 4.1 environment that hosted both Windows and UNIX hosts. Exclusively SUSE-Linux Operating systems.
5. Supported staff of developers, project managers and company executives located throughout the world.
6. Created and organized new infrastructure security policies and procedures to assist the company in becoming SAS70 and PCI compliant.
7. Expanded by 100% their corporate infrastructure with the procurement and implementation of an expanded fiber optic SAN and additional ESX hosts.
8. Implemented a corporate chat and collaboration system into a secure client / clientless environment.
9. Brought in over $675,000.00 in annual profits by designing, implementing, and maintaining 10 hosted customer production system environments in Amazon Elastic Cloud computing environments, and turned infrastructure into a profit center.
10. Through the power of PowerShell, we built Amazon servers in minutes, as opposed to manually creating them via the Amazon web front end.
11. Migrated corporate email system from Microsoft Exchange 2007 to Google Applications email solution.
12. Designed and implemented a redundant corporate server and networking environments between 2 physically separate datacenters.
13. Improved employee VPN connectivity by designing and implementing a total Cisco router, security system and switch environment.
14. Assisted and reported to Chief Technology Officer with infrastructure budgets and customer cost reporting.

**SKILLS**

Azure Web Services, Amazon Web Services, Cloud Computing, Windows Server and Workstation, Linux, PowerShell, Bash, Automation, VMware, Hyper-V, Continuous Integration, Scripting, Agile, Methodologies, Active Directory, Terraform, SQL Query Language, SQL Server, Networking,

System Administration

**EDUCATION**

B.S., Computer Science, Feb. 2002 – Feb. 2005

American Intercontinental University

GPA: 4.0, Major GPA: 4.0

SUMMA CUM LAUDE

A.A., Computer Programming, Jan. 1985 to June 1985

Chubb Institute of Computer Technology

GPA: 3.0

**COMPUTER CERTIFICATIONS**

1. Microsoft Certified Professional, Microsoft, 1999 to 1999
2. VMWare Certified Professional, VMWare, 2007 to 2007
3. AWS Certified Cloud Practitioner, 2021
4. Azure Office 365 Certified, 2023

**TRAINING**

1. AWS Certified Solutions Architect 2021
2. Router basics and design, Cisco, 2004 to 2004
3. Introduction to Telephony Technologies, Lucent Technologies, 2000 to 2000