







# Dustin Reed

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## Skills

### Development:

- AWS certified developer with experience architecting and engineering AWS and Azure infrastructure.
- Ability to decompose monolithic applications into a microservices architecture, utilizing Docker and container services, enabling rapid deployment of distributed application infrastructure.
- Creation of CI/CD Pipelines to automate building, testing, and deployment of applications.
- Knowledge of deployment strategies such as, Blue-Green, Canary, and Rolling updates, which can minimize the impact of change on application systems.

### Operations:

- Hyper-V and VMWare with experience with deploying hosts and administering clusters.
- Deployment and administration of Cisco, SonicWall, and WatchGuard routers and switches.
- TCP/IP, routes, subnets, VLANs, VPNs, NAT, firewall rules, and creation of secure networks.
- Windows Server 2008r2 – 2016, Amazon Linux, CentOS, Ubuntu
- Active Directory, ADFS, Exchange, Office 365, DNS, DHCP, MSSQL, IIS,
- Traefik, Apache, MQTT, IAM, Docker, EC2, S3, CloudFront, VPC, CloudWatch, ELB
- Datacenter rack and stack experience, good cable management discipline, and soldering abilities.
- Ability to use creative and critical thinking to identify root causes and effectively solve problems.
- Design and evaluation of Disaster Recovery and Business Continuity Planning in accordance with corporate and regulatory standards to ensure minimal business impact in the event of an incident.

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## Experience

NOV 2019 – PRESENT

### **Automation Engineer:** Norwin Technologies – Remote

- Provided consultation to World Wide Technologies, on automation of the software development lifecycle and implementation of DevOps methodologies.
- Architected and automated the implementation of Azure App Services cloud platform enabling developers to rapidly build and deploy their web applications.
- Development of Azure DevOps YAML pipelines allowing developers to continuously improve and deliver updates to their applications while minimizing impact to business operations.
- Creation of Ansible playbooks and AzureRM templates to provision cloud Infrastructure as Code enabling rapid idempotent deployments of elastic, scalable, and fault tolerant infrastructure.
- Development of Python, Bash, and PowerShell scripts to automate processes reducing human error and enabling increased focus on strategic activities.

JAN 2016 – AUG 2018

**Systems Administrator: Portfolio Pathway – Warrenville, IL**

- Coordinated with development team to deploy.NET web applications.
- Architected a hybrid cloud based High Availability and Disaster Recovery strategy.
- Developed scripts and templates for creation, management, and migration of resources to Azure.
- Created dev and test environments to ensure smooth software deployments while minimizing impact to business operations.
- Architected ADFS federation to enable deployment of Office 365 services.

SEPT 2015 – NOV 2015

**Systems Administrator: Anselmo Lindberg Oliver – Naperville, IL**

- VMware vSphere management, creation of templates and deployment virtual machines. Monitoring of performance to identify bottlenecks for future expansions.
- Improved VDI deployments and migrations by scripting and streamlining the process reducing the total time to deploy, technical issues, and down time for the end user.
- Administration, support, and monitoring of Exchange 2013.

AUG 2014 – SEPT 2015

**Systems Administrator: Networks Consulting Resources – Geneva, IL**

- Implementation and Management of Systems and Networks in a wide variety of corporate environments.
- Utilized Virtualization, Backup and Scripting technologies to facilitate Disaster Recovery for multiple clients to reduce downtime.
- Migration to and administration of a Virtual Desktop Infrastructure.
- Creation of Scripts and Group Policies to automate migrations and deployments, reducing IT workload while generating additional billable revenue.

OCT 2010 – MAY 2014

**Systems Engineer: The Results Companies – Streator, IL**

- Implementation Improved key technology services through the rapid deployment of virtual servers increasing available resources during times of peak demand.
- Management of Symantec Endpoint Protection for 8000 endpoints in a global environment which prevented major viral outbreaks reducing downtime and data loss due to viral infections.
- Automation of software deployments for 8000 endpoints in a global environment using multiple technologies reducing need for additional IT staff.
- Improved PC deployments and migrations by scripting and streamlining the process across multiple locations reducing time to deploy, technical issues, and down time.
- Initial deployment of IT infrastructure across a telecommunications environment.
- Spearheaded a call center expansion doubling the amount of IT infrastructure supported.
- Managed and maintained Business Continuity and Disaster Recovery Plan in accordance with corporate and regulatory standards to ensure minimal business impact in the event of an incident.
- Promoted from Sr. Site IT Administrator to Systems Engineer during tenure at Results.
- Imaging, deployment, and migration of user data from Windows XP to Windows 7 allowing us to remain compliant with regulatory standards.

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## Education

### **AWS Certified Developer - Associate:** April 2019

- [www.dustinreed.info/aws-cda-cert.pdf](http://www.dustinreed.info/aws-cda-cert.pdf)

### **AWS Certified Solutions Architect - Associate:** March 2019

- [www.dustinreed.info/aws-csa-cert.pdf](http://www.dustinreed.info/aws-csa-cert.pdf)

### **Northern Illinois University:** Sept 2003 – May 2004

- Computer Science Major