

Desmond White

Cloud Engineer, Enterprise Application Infrastructure

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📍 Sacramento, CA 95814

STRENGTHS

- 🔧 **Infrastructure Architecture**
Translated application needs into Azure and AWS designs covering compute, storage, networking, identity, and reliability.
- ⚙️ **Automation Delivery**
Built PowerShell and Terraform HCL workflows for provisioning and operations, and became a go to resource for repeatable execution.
- 🔧 **Incident Troubleshooting**
Traced difficult failures across networks, servers, storage, authentication, databases, and applications until durable fixes were documented.
- 👥 **Cross Team Partnership**
Worked closely with developers, customers, managers, and distributed engineers, turning differing needs into practical infrastructure decisions.
- ♥️ **Operational Documentation**
Created migration plans, support procedures, validation steps, and root cause records that gave teams clearer paths during change.

SKILLS

<u>Microsoft Azure</u>	<u>AWS</u>	<u>PowerShell</u>
<u>Terraform HCL</u>	<u>Red Hat Linux</u>	
<u>Windows Server</u>	<u>Active Directory</u>	
<u>VMware</u>	<u>WSUS</u>	<u>Cloud Operations</u>
<u>Server Administration</u>		
<u>Storage Management</u>		
<u>Network Troubleshooting</u>		
<u>Technical Documentation</u>		
<u>Agile Delivery</u>		

SUMMARY

Cloud Engineer with eight years of experience building, automating, and supporting enterprise infrastructure across **Microsoft Azure**, AWS, and on premises environments. Hands on work includes **Red Hat Enterprise Linux**, **Microsoft Windows Server**, **Active Directory**, WSUS, VMware, storage, networking, authentication, access management, databases, and application infrastructure. PowerShell and Terraform HCL automation have replaced fragile manual steps with repeatable, version controlled workflows. Experience spans infrastructure design, provisioning, migration planning, incident response, technical documentation, 24x7 production support, and cloud operations improvement. Partners effectively with developers, customers, managers, and distributed engineering teams, translating business needs into reliable technical designs. Azure certification, Agile delivery knowledge, and practical troubleshooting support continued contribution across complex enterprise initiatives.

EXPERIENCE

Senior Cloud Engineer

Blue Mesa Digital Systems 📅 June 2023 - Present 📍 Sacramento, California

Leads Azure and AWS infrastructure engineering for enterprise applications, guiding architecture, automation, migration, production support, and technical decisions across distributed stakeholders.

- Architected Azure and **AWS** compute, storage, networking, and identity patterns for production application infrastructure.
- Built Terraform HCL modules and **PowerShell** workflows, replacing manual provisioning with version controlled deployment practices.
- Administered **Red Hat Enterprise Linux** and Windows Server estates with Active Directory and WSUS controls.
- Mapped **VMware** workload dependencies and rollback criteria, supporting structured migration planning for cloud adoption.
- Resolved network, server, **storage**, **authentication**, database, and application incidents through documented root cause analysis.
- Guided design reviews with developers and managers, translating workload needs into practical infrastructure decisions.

Cloud Systems Engineer

Sierra Ridge Technologies 📅 March 2021 - May 2023 📍 Roseville, California

Delivered Azure infrastructure and operational improvements for business applications, combining **systems administration**, infrastructure as code, Agile delivery, and stakeholder coordination.

- Provisioned Azure Windows and Red Hat systems with network, storage, identity, and monitoring requirements.
- Developed PowerShell checks for access, configuration, software setup, and maintenance, reducing repetitive support work.
- Defined repeatable cloud resources with **Terraform HCL** and reviewed planned changes alongside application owners.
- Maintained Active Directory, **WSUS**, VMware, and server documentation across cloud and **on premises** services.
- Diagnosed connectivity, performance, authentication, and server faults across operating systems and application dependencies.
- Delivered concurrent **Agile** initiatives with distributed engineers, preserving implementation notes and clear delivery status.

Systems Administrator

Redwood Enterprise Services 📅 July 2019 - February 2021 📍 Fresno, California

Supported **enterprise application infrastructure** across Windows, Red Hat, VMware, storage, authentication, patching, and production procedures while building automation capability.

LANGUAGES



MY CAREER



- Senior Cloud Engineer at Blue Mesa Digital Systems (3.3 Years)
- Cloud Systems Engineer at Sierra Ridge Technologies (2.2 Years)
- Systems Administrator at Redwood Enterprise Services (1.6 Years)
- Junior Systems Administrator at Central Valley Solutions (1 Years)

- Administered Windows and Red Hat servers supporting enterprise applications, availability, access, software, and storage.
- Managed **Active Directory** groups and **authentication** dependencies, tracing access failures across server and application layers.
- Coordinated WSUS patch cycles and validated application health after maintenance windows and approved changes.
- Supported VMware systems and storage, documenting builds, capacity changes, backup dependencies, and operating procedures.
- Created PowerShell utilities for inventory, service validation, and repetitive administration, reducing manual data collection.
- Partnered with network and application teams to isolate production issues and document durable support fixes.

Junior Systems Administrator

Central Valley Solutions 📅 June 2018 - June 2019 📍 Modesto, California

Supported supervised enterprise infrastructure operations, learning structured diagnosis, documentation, access administration, virtualization monitoring, and PowerShell automation for application services.

- Supported Windows and Linux application servers, applying supervised diagnosis across operating systems, networks, storage, and services.
- Performed approved **configuration** changes and verified service health against documented implementation checklists after maintenance.
- Maintained system inventories, software records, license details, and **technical documentation** for recurring support and audits.
- Processed **Active Directory** access requests and escalated cross system **authentication** issues with relevant logs.
- Monitored VMware virtual machines and storage capacity, routing resource concerns to infrastructure engineers.
- Wrote introductory PowerShell scripts for reporting and validation, reducing manual data collection during support tasks.

PROJECTS

Cloud Infrastructure Automation 📅 2026

Standardized Azure and AWS provisioning with Terraform HCL and PowerShell patterns, creating repeatable infrastructure workflows that support consistent deployment and easier operational maintenance.

VMware Workload Migration Planning 📅 2025

Mapped dependencies, validation steps, rollback criteria, and operating procedures for transitioning VMware hosted workloads into cloud environments.

LEADERSHIP & AWARDS

- Microsoft Azure Administrator Associate certification recognized for advancing cloud infrastructure administration capability.
- Selected as a trusted technical resource for complex infrastructure troubleshooting across distributed engineering teams.
- Recognized for converting recurring operational fixes into clear procedures and reusable automation.

EDUCATION

Bachelor's Degree in Management Information Systems

California State University, Sacramento 🎓 GPA: 3.5 📅 2018 📍 Sacramento, California

Coursework: Systems Administration, Database Management, Network Fundamentals, Information Security

CERTIFICATIONS

- Microsoft Certified: Azure Administrator Associate 📅 2025

- Agile Delivery Foundation 📅 2024

TECHNICAL SKILLS

- **Cloud Platforms:** Microsoft Azure, AWS, Azure Virtual Machines
- **Operating Systems:** Red Hat Enterprise Linux, Microsoft Windows Server, Linux
- **Automation Tools:** PowerShell, Terraform, HCL
- **Identity Systems:** Active Directory, Cross platform authentication, Access management
- **Virtualization Platforms:** VMware, Virtual machines, VMware hosted workloads
- **Patch Management:** WSUS, Windows patching, Maintenance windows
- **Infrastructure Services:** Compute, Logical storage, Physical storage
- **Network Administration:** Network troubleshooting, Connectivity diagnosis, Network architecture
- **Application Infrastructure:** Enterprise applications, Server architecture, Application dependencies
- **Operational Methods:** Agile, Root cause analysis, Technical documentation
- **Data Systems:** Databases, Database troubleshooting, Data dependencies
- **Support Operations:** 24x7 production support, Incident response, Off hours support

PROFESSIONAL AFFILIATIONS

- Cloud engineering community participant, sharing practical Azure, AWS, PowerShell, and Terraform HCL practices.
- Agile delivery collaborator, contributing infrastructure perspective across developers, managers, customers, and distributed teams.

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST