

JAMES SIMELUS, MSDSA, BSCS, MCP, CCA, VCP

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Profile

I am an experienced Data Engineer and IT professional with a strong background in data pipelines, server administration, and virtualization technologies. Adept at designing and implementing data solutions to solve complex business problems. I am currently pursuing an MS in Data Science & Analytics to enhance expertise in machine learning and big data systems. Seeking to leverage my technical skills and experience to drive data-driven innovation and business transformation.

Experience

DATA ENGINEER | VETERANS UNITED | JULY 2024 – PRESENT

- Design and implement scalable data pipelines, data marts, and data warehouses to meet business requirements.
- Lead optimization initiatives for data delivery systems, resulting in improved performance and scalability.
- Develop and maintain automated testing systems to ensure product quality and consistency data.
- Provide on-call support for production issues, ensuring timely resolution and adherence to SLAs
- Contribute to data governance initiatives and ensure deliverables conform to defined data standards.
- Document technical specifications and maintain knowledge assets for team reference.

WINDOWS SERVER ADMINISTRATOR | VETERANS UNITED | APRIL 2021 – JULY 2024

- Administered and maintained enterprise Windows server environments, ensuring 99.9% uptime.
- Collaborated with Technology teams to design, analyze, and implement secure server architecture.
- Implemented Windows security measures including firewall rules, antivirus configuration, and least privilege access.
- Created and maintained provisioning templates for virtual Windows servers.
- Automated routine maintenance tasks, reducing manual workload by 30%.
- Conducted monthly OS patching and quarterly hardware firmware updates.
- Developed comprehensive technical documentation for stakeholders.

VMWARE INFRASTRUCTURE SPECIALIST | IBM | MAY 2013 – APRIL 2021

- Designed, implemented, and maintained VMware virtualization environments.
- Managed cloud storage, backup systems, and high availability solutions.
- Implemented best practices for VMware solution deployment and configuration.
- Supported upgrades of production virtual environments to latest VMware releases.
- Administered load balancer environments and monitored network performance.
- Troubleshoot performance issues and implemented solutions to maintain optimal system operation.

SERVER ADMINISTRATOR/PUREFLEX NETWORK SME | IBM | OCTOBER 2011 – MAY 2013

- Configured and supported PureFlex (IBM Converged Systems) Network Switches.
- Performed technical evaluations and troubleshooting for enterprise servers.
- Maintained Active Directory infrastructure including users, OUs, and groups.

- Built and deployed physical and virtual servers both locally and remotely.
- Collaborated with storage teams on SAN-attached storage environment configuration.
- Implemented and supported virtualization technologies including ESXi, VMware, vSphere.

FIELD ENGINEER | C&C INTERNATIONAL COMPUTERS | AUGUST 2005 – OCTOBER 2011

- Troubleshoot and repaired Apple products (hardware and software).
- Installed and maintained desktop and laptop systems for Broward and Dade School Board.
- Implemented information security and control structures.
- Maintained network infrastructure including LAN/WAN components.
- Monitored security systems including firewalls and intrusion detection.
- Managed disaster recovery procedures and backup systems.

WEB DESIGNER/NETWORK ADMINISTRATOR | VITEC CONSULTING GROUP | DECEMBER 2003 – NOVEMBER 2007

- Designed and developed websites for clients.
- Implemented and maintained Windows server-based networks.
- Instructed courses in computer fundamentals, MS Office Suite, and computer repair.
- Configured Active Directory permissions for servers, peripherals, and user accounts.
- Troubleshoot issues with network topology, applications, and system configurations.

Education

M.S. DATA SCIENCE & ANALYTICS | MAY 2025 | UNIVERSITY OF MISSOURI, COLUMBIA, MISSOURI

GPA: 3.94/4.0

Key Coursework:

- Advanced Big Data and Analytics, Applied Machine Learning, Big Data Security, Data Visualization, Data and Information Ethics, Big Data Case Studies, Python, R.

B.S. INFORMATION TECHNOLOGY | JUNE 2004 | AMERICAN INTERCONTINENTAL UNIVERSITY, WESTON, FLORIDA

GPA: 3.14/4.0

Key Coursework:

- Application Development, IT Project Management, Multimedia Design, Technical Planning, Networking, Human Interface Design, Database Administration, Programming, Web Administration, etc....

Skills & Abilities

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|--|---|
| • Data & Analytics, AWS, Cloud Computing | • Data Pipelines, ETL, Data Warehousing |
| • Python, R, Visual Basic, Kubernetes | • Data Modeling, Machine Learning |
| • SQL, Oracle, Windows Server Administration | • VMware, ESXi, vSphere, Hyper-V, SCVMM |

Activities and Interests

Photography and Videography, Traveling, Hiking, Biking