

BLAKE DESOUZA

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[LinkedIn Profile](#) | [Portfolio Website](#)

Seeking Full Remote Opportunities

PROFESSIONAL SUMMARY

Recent Computer Science graduate with hands-on experience in system administration, server management, and technical troubleshooting. Strong foundation in hardware diagnostics, virtual machine management, network configuration, and process automation through scripting. Proven ability to solve complex technical problems independently. Self-motivated with excellent written communication skills and experience working autonomously in remote environments. Passionate about problem-solving and contributing to team success.

TECHNICAL SKILLS

Operating Systems

Windows, Linux

Virtualization

VM creation and management, resource allocation, network configuration

Programming Languages

Python, C++, C#, Java, HTML, CSS

Networking

TCP/IP, DNS, DHCP, port forwarding, firewall configuration, VPN setup and usage

User & Access Management

Active Directory, user account administration, permissions management

Database & Tools

SQL Server, Microsoft Access, Git, Adobe Illustrator

Monitoring & Diagnostics

HWiINFO, MSI Afterburner, system performance monitoring

Server Administration

FTP servers, Plex media servers, dedicated game servers, remote access configuration

Hardware

Custom PC building, hardware diagnostics and repair, component selection

Command Line & Scripting

PowerShell, Bash, CMD, shell scripting for automation and server management

Remote Administration

Windows Remote Desktop, RustDesk, Parsec, SSH, FileZilla, WinSCP

Collaboration & Communication

Community platform administration, user moderation, team coordination tools

Cloud Platforms

Google Cloud Platform

Documentation

Technical writing, process documentation, creating SOPs

EDUCATION

Bachelor of Science in Computer Science

Troy University

August 2025

Associate of Science Degree

Jefferson State Community College, Hoover, Alabama

December 2021

PROJECTS & HANDS-ON EXPERIENCE

Personal Server Administration & Homelab

Ongoing

- Managed and maintained multiple Linux-based dedicated game servers with custom configurations, mod integration, and ongoing performance optimization
- Deployed FTP and media streaming server (Plex) using repurposed hardware, including network configuration and remote access setup
- Performed remote system administration and maintenance using remote desktop protocols (RDP, RustDesk, Parsec) and SSH for ongoing server management

- Configured and troubleshooted complex server environments including Source engine servers with extensive customization and modded Minecraft servers
- Utilized FTP clients (FileZilla, WinSCP) for file transfers and server configuration management
- Implemented user permission systems and managed server security, backups, and uptime monitoring

GUI Automation & Computer Vision Project

2024

- Developed Python automation script utilizing PyAutoGUI for GUI interaction and optical character recognition (OCR) for visual state detection
- Implemented image recognition algorithms to identify and classify visual elements in real-time
- Created decision-making logic to analyze detected elements and execute appropriate automated responses
- Designed efficient automation workflow for repetitive task completion with high accuracy

Virtual Machine Management

Ongoing

- Created and configured virtual machines for testing software in isolated environments
- Managed multiple VM instances with different operating systems and configurations
- Troubleshooted VM performance issues including resource allocation and network connectivity
- Used VMs for software testing and experimentation without risking primary system stability

Computer Hardware & Technical Support

Ongoing

- Built custom computer systems from component selection through assembly and configuration
- Performed hardware upgrades and replacements including CPUs, GPUs, RAM, power supplies, and cooling systems
- Executed professional cable management for optimal airflow and system organization
- Diagnosed and resolved hardware and software issues for personal and peer systems
- Conducted system maintenance, optimization, and performance troubleshooting

CERTIFICATIONS & ACHIEVEMENTS

- ✓ Microsoft Technology Associate Security Fundamentals Certification (2018)
- ✓ Microsoft Technology Associate HTML and CSS Programming Certification (2018)
- ✓ Microsoft Office Specialist Access Certification (2017)
- ✓ National English Honor Society - Sigma Kappa Delta (2020)
- ✓ International Honor Society - Phi Theta Kappa (2020)

ADDITIONAL EXPERIENCE

Independent Consultant - Job Shadow

February 2017

RMB Solutions LLC

- Utilized Microsoft Excel to prepare analysis for data integrity validation
- Assisted with problem resolution analysis utilizing mainframe and intranet reporting

Job Shadow

February 2016

Saks Fifth Avenue, New York

- Supported Enterprise Point of Sale data validation for Sales Audit
- Assisted with analysis for problem resolution utilizing mainframe, intranet, and Microsoft applications