

# BLAKE DESOUZA

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LinkedIn Profile | Portfolio Website

## PROFESSIONAL SUMMARY

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Recent Computer Science graduate with hands-on experience in system administration, server management, and technical troubleshooting. Strong foundation in hardware diagnostics, virtual machine management, and network configuration. Proven ability to solve complex technical problems independently. Seeking a remote IT Support role where technical skills and passion for problem-solving can contribute to team success.

## TECHNICAL SKILLS

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### Operating Systems

Windows, Linux

### Server Administration

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

### Virtualization

VM creation and management, resource allocation, network configuration

### Hardware

Custom PC building, hardware diagnostics and repair, component selection

### **Programming Languages**

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

### **Remote Administration**

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

### **Database & Tools**

SQL Server, Microsoft Access, Git, Adobe Illustrator

## **EDUCATION**

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### **Bachelor of Science in Computer Science**

*August 2025*

Troy University

### **Associate of Science Degree**

*December 2021*

Jefferson State Community College, Hoover, Alabama

## **PROJECTS & HANDS-ON EXPERIENCE**

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### **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 troubleshoot 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
- Troubleshoot 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**

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- ✓ 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

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### **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