Josh A. Brade

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Career Summary

Results-driven IT Manager with 18 years of experience delivering strategic IT solutions for private and government sectors. Skilled in leading support teams, implementing best practices, and managing complex projects to drive cost-effective improvements. Strong communicator and leader, fostering collaboration and leveraging emerging technologies to enhance efficiency and align IT strategies with organizational goals.

Professional Experience

IT MANAGER

PALMETTO UNIFIED SCHOOL DISTRICT | 2018 - PRESENT

Dynamic role encompassing technical support, project management, budgeting, collaborating with school district stakeholders, and contributing directly to district educational mission while optimizing IT resources and fostering technological advancements in secure learning environments, enhancing overall educational experience for students and staff.

Key Achievements & Projects

Most significant accomplishments, showcasing the implementation and management of complex IT solutions that support educational programs across the district:

USDA & COVID Distance Learning Grants: Ongoing project management of distance learning solutions for rural schools (USDA) and all schools (COVID) within the district. Oversaw procurement processes and managed a budget exceeding $1M to ensure successful implementation and integration of technology solutions.

PowerSchool Hosting Migration: Planned and managed migration to a hosted platform, including implementing Single Sign-On (SSO) using Entra as the IdP, integrating with Azure tenant.

Enrich Data: Planned and managed setup of a VPN for secure data extraction from the internal Enrich host to hosted PowerSchool.

Student Content Access: Planned and managed allow-listing of web-based educational resources for students, ensuring secure access.

Study Buddy Devices: Planned, procured, and managed secure handheld educational devices for students.

GED Testing Infrastructure Upgrade: Rebuilt and configured computers for GED testing using PowerShell scripting and imaging. Planned and procured hardware for upgrades across 21 testing sites.

Windows 7 to 10 Migration: Migrated all district staff machines from Windows 7 to Windows 10, retiring outdated systems unsuitable for business use.

Windows Server 2012 to 2016 Migration: Upgraded student lab servers, configuring local GPOs to securely restrict student operating system access.

Python GUI Application: Developed a custom GUI for student labs, linking installed software and securing access via restricted start menus and GPO.

Student Landing Page: Developed a user-friendly HTML/CSS/JS webpage for students, enabling access to approved sites in school labs. Integrated a pop-up modal with an acceptable use agreement, requiring acceptance before system access.

District Website Creation: Developed, managed and maintained the Palmetto Unified School District website, including regular patching, backup retention, and content updates.

Learning Management System: Developed a GED prep Learning Management System (LMS) using WordPress, enabling teachers to create or import student accounts and provide video courses with quizzes. Implemented locally with XAMPP.

Library Management System: Built a library management system using the Django framework, enabling student clerks to manage library resources locally without internet access.

SPED Grant Management: Planned and managed the procurement of educational resources to meet the requirements of SPED TIER 2 and 3 grants.

IT Intern Mentorship & Management: Mentored and managed IT interns, assessing their current knowledge, providing resources to improve their skillset, and creating a schedule and timeline for a 4-month internship to ensure meaningful professional development.

Staff Accounts & Resources Management: Planned and managed staff accounts and resources for multiple web-based educational platforms, including Apex Learning, Aztec Learning, Learning A-Z, Rethink Ed, Northstar Digital Literacy, iCEV Vocational, NCCER, Edovo, Moodle, Pearson GED.

Lab Infrastructure Deployment: Deployed server and thin-client resources across 21 institutions to create student educational labs, and currently managing this infrastructure with future planning for replacements.

SENIOR SUPPORT ENGINEER

MUNSCH NETWORK SOLUTIONS | 2014 – 2018

IT MANAGER

EAST COAST LIQUIDS | 2015-2016

TECHNICAL SUPPORT SPECIALIST

SC RETIREMENT SYSTEM INVESTMENT COMMISSION | 2013-2014

ONLINE SALES SUPERVISOR

BARNES & NOBLE INC | 2011-2013

SYSTEM ADMINISTRATOR

AZ EXOTIC ANIMAL HOSPITAL | 2009-2011

ENDPOINT TECHNICIAN

PIEDMONT TECHNICAL COLLEGE | 2006-2008

Professional Achievements

2024	GCSA (#2032)	Global Information Assurance Certification (GIAC)
2024	Certified Employee of the Month	SC Department of Corrections (SCDOC)
2024	GCLD (#2021)	Global Information Assurance Certification (GIAC)
2024	GPEN (#19132)	Global Information Assurance Certification (GIAC)
2023	GCCC (#3086)	Global Information Assurance Certification (GIAC)
2023	GCIH (#46704)	Global Information Assurance Certification (GIAC)
2023	Becoming Trauma Informed Certification	SC Department of Corrections (SCDOC)
2022	Certified Employee of the Year	SC Department of Corrections (SCDOC)
2019	GSEC (#44922)	Global Information Assurance Certification (GIAC)
2019	WebAIM Web Accessibility Certification	Web Accessibility in Mind (WebAIM)
2019	E-Rate Certification	SC Department of Administration (SCDOA)
2019	Enrich IEP System Training	SC Department of Education (SCDE)

Proficiencies

Endpoint Management/ Remote Support:
Active Directory, GPO, Local Security Policy, SpiceWorks, mRemoteNG, LogMeIn, ScreenConnect, Configuration Manager, RustDesk, BeyondTrust, RDP

Team Management:
Atlassian (Confluence, Jira, Trello), MS Teams

Programming/ Shell:
HTML, CSS, JavaScript, Batch, Python, PowerShell, CMD, Bash

Business Applications:
Office Suite – Outlook/ Word/ Excel (2010- Office 365), Google- Suite, draw.io, FileMaker

Ticketing: Zendesk, TrackIT, Atlassian

Virtual Infrastructure Services:
VMware(ESXi/Workstation), Hyper-V, Virtual Box, ProxMox, Unraid, Docker

Operating Systems:
Microsoft Windows Server and Pro Desktop (3.1-11), Linux/ Unix Server and Desktop (Debian)

Networking Management:
UniFi Cloud Controller, SSH

Cloud Management:
Microsoft Office 365 Account and Email, Apex Learning, Aztec Learning

Backup/ Restore:
Symantec Backup Exec & Ghost, Macrium, Unitrends, CloneZilla, SCCM

Education

Bachelor of Science in Technology Management & Computer Forensics
DeVry University

Associate of Science in Network Administration
Piedmont Technical College