

Karter Barnes

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SUMMARY

Dedicated Data Center Hardware Technician with over two years ensuring server and network equipment reliability in high-demand environments. Proficient in UNIX/Linux system administration, TCP/IP networking fundamentals, and automation scripts using BASH and Python. Experienced in leveraging AI technologies for efficient operations and process automation. Built robust working relationships with cross-functional teams to enhance system performance and meet business objectives. Capacity to handle complex technical issues while maintaining a focus on customer communications. Eager to contribute to ongoing improvements and innovative practices within data center operations.

EXPERIENCE

Data Center Technician

June 2025 - Present

Tech Innovations LLC

Buffalo, NY

As a Data Center Technician, responsible for maintaining uptime and operational efficiency of critical hardware systems across busy data centers. Provided support for multi-platform systems and worked collaboratively with engineering teams to resolve technical challenges.

- Maintain rack-mounted servers and network devices, achieving consistent uptime in a dynamic facility.
- Diagnose hardware faults and execute effective solutions drastically reducing downtime.
- Utilize AI diagnostic tools for fault isolation, enhancing the troubleshooting process and reducing repair times.
- Implement scripting in BASH to automate routine maintenance tasks, improving team productivity.
- Partner with infrastructure teams for safety during complex changes, emphasizing risk management.
- Offer timely updates to internal clients regarding ticket resolution and operational status.

Junior Data Technician

August 2024 - May 2025

Data Solutions Group

Syracuse, NY

Contributed as Junior Data Technician, focusing on providing operational support and ensuring optimal reliability of server infrastructure. Employed proactive monitoring strategies and collaborated closely with senior technicians for skill enhancement.

- Supported IT infrastructure maintenance, specifically enhancing server reliability and optimizing performance.
- Automated initial OS deployments and configuration protocols to streamline service delivery.
- Engaged in performance monitoring routines, delivering feedback for infrastructure optimizations.
- Demonstrated commitment through active participation in shift rotations within busy tech environments.
- Applied AI tools for log analytics, expediting issue detection processes.
- Invested time in training sessions exploring current technology implementations and methodologies.

LEADERSHIP & AWARDS

- Dean's List, Rochester Institute of Technology (2024)
- Outstanding Student Award, Computer Science Department (2025)

EDUCATION

Associate of Science in Computer Science

2026

Rochester Institute of Technology GPA: 3.8

Rochester, NY

Coursework: Data Structures, Operating Systems, Networking Fundamentals, System Administration

CERTIFICATIONS

- CompTIA A+ Certification 2025
- Cisco Certified Network Associate (CCNA) 2025

TECHNICAL SKILLS

- **Operating Systems:** UNIX, Linux, Windows
- **Networking Protocols:** TCP/IP, DNS, DHCP
- **Scripting Languages:** BASH, Python, Perl
- **Support & Maintenance Tools:** Nagios, Grafana, Splunk
- **Configuration Management:** Ansible, Puppet, Chef

- **Automation Tools:** Jenkins, Git, Terraform
- **Database Technologies:** MySQL, PostgreSQL, MongoDB
- **Monitoring & Logging:** Prometheus, ELK Stack, Zabbix
- **Cloud Technologies:** AWS, Azure, Google Cloud
- **Security Practices:** Firewalls, VPNs, Intrusion Detection

SKILLS

- UNIX/Linux
- BASH
- AI Tools
- Data Center Operations
- TCP/IP Networking
- Python
- System Troubleshooting
- Automation Scripting

PROFESSIONAL AFFILIATIONS

- Member, Data Science Society, RIT (2024 - Present)
- Volunteer, Local Tech for Good Initiative (2025)

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST