

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