Jacob (Jake) Black
System Administrator

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Maple Grove, MN jjblack.tech/resume.pdf

Work Experience

IT QA Engineer
Emerson / AspenTech
Medina, MN
Jun 2022-current

- Patch, test, and validate distributed software releases
- Configure and maintain multiple virtualized environments
- Monitor and investigate system resource usage issues
- Automate tasks with BASH and Powershell
- Review and maintain NERC-SIP security compliance

(Linux) Systems Administrator
Extreme Engineering Solutions
Verona, WI
Jan 2020-Jun 2022 (full-time);
May 2019-Aug 2019 (Intern);
May 2017-Dec 2017 (Co-Op)

- Deployed and managed virtualized and cloud systems
- Automated linux administration via ansible and BASH
- Administered on-prem domain controllers and Azure AD
- Provided storage and backup solutions with BSD and ZFS
- Reviewed and maintained ITAR and FedRAMP compliance

Desktop Support Technician
Cooper Tires
Findlay, OH
May 2016-Aug 2016

- Deployed and supported user software on workstations
- Investigated and resolved issues on factory control software
- Communicate and guide employees through resolutions

Education

Computer Networking & System Administration (B.S.)
Michigan Technological University - Houghton, MI

December 2019
GPA - 3.50

Proficiency

- Azure & AWS
- VMWare
- SQL Databases
- Linux and BASH
- Windows and Powershell
- Python scripting
- Automation Suites
- Resource Monitoring
- TCP/IP

- Cisco IOS
- Juniper Junos
- RHEL, Ubuntu, Arch
- BSD
- File Systems
- Samba
- Active Directory
- User Management
- Email Servers

- Ticketing Systems
- Virtualization
- Containerization
- Documentation
- High-Availability
- Network Redundancy
- Server Room Layout
- Network Cabling
- Server Installation

Hobbies

Woodworking
Snowboarding

Open-Wheel Racing
Hockey

Homelab
Camping