Jacob (Jake) Black
System Administrator

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Twin Cities, MN

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jjblack.tech/resume.pdf

Work Experience

IT QA Engineer
Open System International
Medina, MN
Jun 2022-current

- Deploy and monitor customer-like environments
- Test and debug software releases on OSI levels 3, 4, and 5
- Implement ansible for system deployment and configuration
- Automate tasks with BASH and Powershell
- Review and maintain NERC-SIP compliance

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

- Deploy and manage systems via AWS, libvirt, docker, lxd
- Automate said linux servers via ansible and BASH scripts
- Administrate samba domain controllers and Azure AD
- Provide storage and backup solutions with BSD and ZFS
- Review and maintain ITAR and FedRAMP compliance

Telecommunications Student Employee
Michigan Tech University
Houghton, MI
Aug 2019-Dec 2019;
May 2018-May 2019

- Installed and terminate new CAT6 and fiber lines
- Configured new networking devices
- Updated network location labels and maps

Education

Computer Networking & System Administration (B.S.)
Michigan Technological University - Houghton, MI
December 2019
GPA - 3.50

Proficiency

- AWS
- Google Cloud
- Azure (and Azure AD)
- Ansible
- BASH
- Python
- Powershell
- Rundeck
- Jenkins

- Red Hat
- CentOS
- Ubuntu
- Arch
- OpenSuse
- FreeBSD
- MySQL
- Percona
- Postgres

- ZFS
- GlusterFS
- NFS and SMB
- Samba
- Active Directory
- gitlab and github
- apache
- nginx
- HAproxy

Hobbies

Homelab
Hockey

Formula 1
Hockey

Carpentry
Snowboarding