JENNI HARTMAN

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Experienced senior technical professional with years of experience in site reliability engineering, systems administration, and automation/DevOps.

EDUCATION

Bachelor of Science - Business Administration & Computer Science

Illinois State University, Normal, IL

Full Stack Coding Bootcamp

Northwestern University, Evanston, IL

WORK EXPERIENCE

Senior Site Reliability Engineer

Northwestern University / 2020 to present

- Lead projects for data infrastructure improvements related to on-premise, co-located, and public cloud storage.
- Work closely with vendors to create and build strategic partnerships.
- Implement automated infrastructure tasks using Terraform Cloud and Sentinel, Ansible, and Bash.
- Handle server deployment, patching, maintenance, and decommissions.
- Create and manage storage mounts (NFS and SMB), quotas, backups, and snapshots.
- Write technical documentation including systems architecture, network maps, and README files for repositories.
- Graduate of Northwestern's "Lead 4 Success" program through the Center for Creative Leadership.
- Notable projects:
  - Transitioned infrastructure team to a fully automated server deployment process.
  - Led project to create a fully searchable online directory with a custom API that uses HR and student databases.

Lab Engineer

Northwestern University / 2018 to 2020

- Architect and optimize the movement and storage of research data, utilizing both on-premise and AWS cloud technology stacks.

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- Created and managed data workflows including networking, firewall rules, subnets, automation scripting (Bash, Python, PowerShell), and data lifecycle management in Amazon S3.
- Wrote and designed data management policies that meet data storage guidelines for grants, security requirements, and publications.
- Automated and built infrastructure in AWS using Terraform.
- Developed effective relationships with laboratory managers, distributed and central IT managers, researchers, and other stakeholders to drive data management service improvement and communication across campus.
- Designed and implemented data storage solution for a large nanotechnology laboratory including real-time data transfer for multiple electron microscopes, synchronized data backups to Amazon S3 and Glacier, creation of multiple AWS Storage Gateways, and lifecycle management rules in accordance with research grant requirements.
- Related Achievements
    - Presenter, PEARC '19 Conference - "Management, Movement, and Lifecycle of High-Volume Research Data"

IT Administrator

Uptake Technologies / 2016 to 2018

- Responsible for application support, including backup software, AWS EC2 instances, Jira, Confluence, and virtualization platforms.
- Maintained AWS IAM permissions including user creation, key rotation, offboarding, and role creation.
- Created and maintained technical documentation.
- Automated routine work tasks with Python and Bash.
- Coordinated with firewall and security teams to maintain secure infrastructure.

SKILLS

HTML | JavaScript | AWS | Terraform | Ansible | AWX | Bash | PowerShell | RHEL/Linux | Git

CERTIFICATIONS

AWS Solutions Architect: Associate
ITIL Foundations