

Estelle A. Poulin

SENIOR DEVOPS ENGINEER · LINUXADMIN

Columbus, Ohio

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“Code is like pottery, once it DRYs it stops being malleable.”

Experience

Northwoods Consulting

Dublin, Ohio

SENIOR DEVOPS ENGINEER

Jul. 2021 - PRESENT

- And all of the responsibilities of my previous job.
- Develop, test, and deploy new features to our primary applications that have nontrivial operations components.
- Work with product managers and principal software architects to provide operational experience and guidance to design and implement new products and services.

Updax

Dublin, Ohio

DEVOPS ENGINEER

May. 2019 - Jul. 2021

- Architect, implement, and maintain all customer-facing infrastructure meeting availability, performance, durability, security, and compliance goals.
- Monitor for, respond to, and remediate any operational issues that impact the usability of our application to our customers and partners, and implement all necessary log aggregation, metrics collection, health monitoring, and alerting to this end.
- Provide guidance, code reviews, and patches to development teams to mitigate any negative operational impact.

The Ohio State University

Columbus, Ohio

LINUX SYSADMIN

Jun. 2017 - May 2019

- Design, implement, and maintain primarily Linux based service offerings for the college.
- Research, develop, and implement configuration for faculty, staff, and researchers that meet audit, security, and compliance requirements.
- Operational duties.

The Ohio State University

Columbus, Ohio

LINUX SYSADMIN & DEVELOPER

Jun. 2014 - May 2017

- Automated the construction, deployment, maintenance, and monitoring of the department's Linux based infrastructure.
- Built and maintained packages for specialized research software used in the department.
- General tier 3 Linux support duties.

Project Highlights

Migration of 100+ Databases to Aurora

AWS

NORTHWOODS CONSULTING

Sep. 2021 - Feb. 2022

- Create a fully-automated pipeline using Lambda, CloudFormation, and Gitlab CI/CD to migrate databases hosted on RDS to Aurora clusters.
- Statistically validate the data integrity post migration by sampling rows a desired confidence is reached.

Canadian Datacenter Buildout

Vancouver, BC

UPDOX

Nov. 2019 - PRESENT

- Using remote hands for hardware installation build a new share-nothing datacenter for the company's expansion into Canada.
- Stand up all required platform infrastructure, application components, and supporting network services including all observability tools.
- Assist in the deployment and maintenance of our application to this new datacenter by providing fixes and patches to developers and customer support.

Central NFS Storage Offering

Columbus, Ohio

COLLEGE OF ENGINEERING

Sep. 2017 - PRESENT

- Design, test, and deploy of a scalable highly available Kerberized NFS service.
- Implement security requirements to meet NIST 800-171.
- Implement auxillary bridge services for access via SFTP, SMB, and HTTP.

ESL ITAR HPC Environment

Columbus, Ohio

COLLEGE OF ENGINEERING

Jan. 2017 - PRESENT

- Design, test, and deploy a HPC computing environment currently in use by the Air Force.
- Implement NIST 802-11 security requirements.

Education

The Ohio State University

Columbus, Ohio

B.S. IN THEORETICAL MATH AND COMPUTER SCIENCE

Sep. 2012 - May. 2017