DevOps Areas of Improvement

Continuous delivery

- Use version control for all production artifacts
- Automate your deployment process
- Implement continuous integration
- Use trunk-based development methods
- Implement test automation
- Support test data management
- Shift left on security
- Implement continuous delivery (CD)

Architecture

- Use a loosely coupled architecture
- Architect for empowered teams

Product and process

- Gather and implement customer feedback
- Make the flow of work visible through the value stream
- Work in small batches
- Foster and enable team experimentation

Lean management and monitoring

- Have a lightweight change approval processes
- Monitor across applications and infrastructure to inform business decisions
- Check system health proactively
- Improve processes and manage work with work-in-process (WIP) limits
- Visualize work to monitor quality and communicate throughout the team

Cultural

- Support a generative culture (as outlined by Westrum)
- Encourage and support learning
- Support and facilitate collaboration among teams
- Provide resources and tools that make work meaningful
- Support or embody transformational leadership