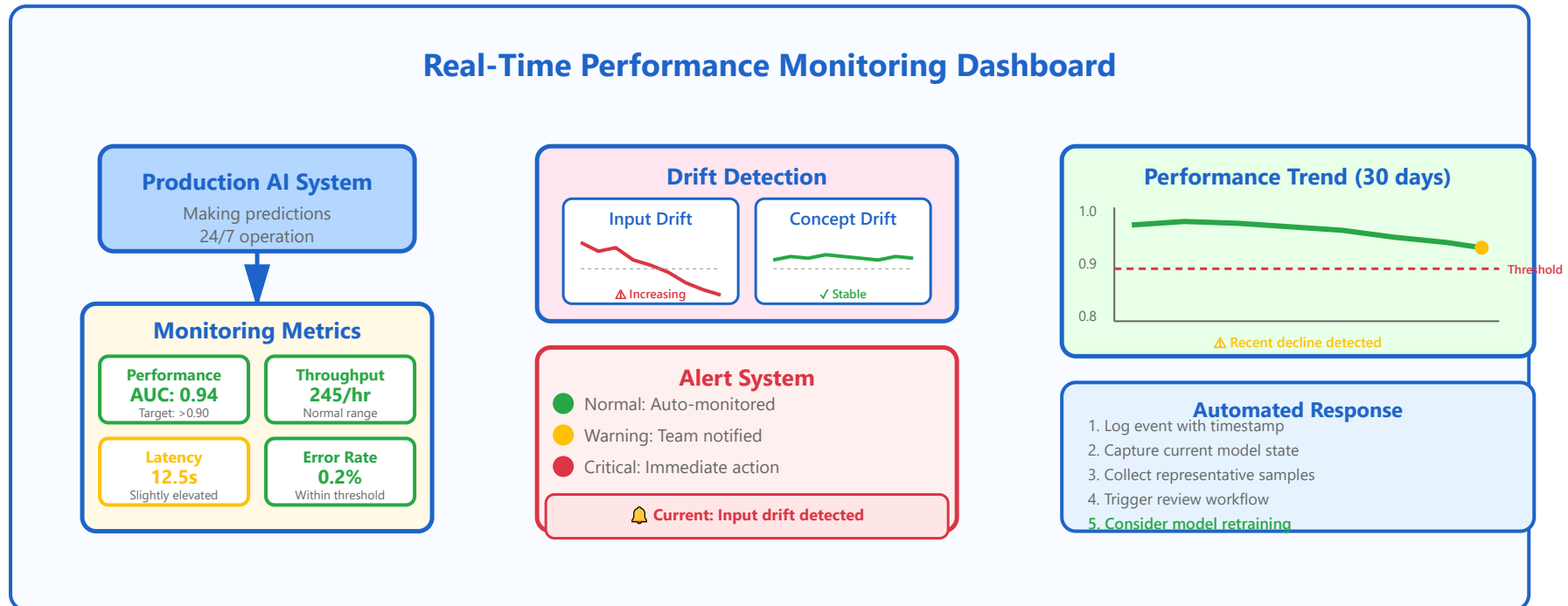


# Continuous Monitoring



## Real-World Metrics

Sensitivity, specificity in production. Compare to validation performance

## Alert Systems

Automated alerts for anomalies. Performance degradation, unusual predictions

## Performance Degradation

Detection of model staleness. Dataset shift from new equipment or protocols

## Update Strategies

When and how to retrain. Regulatory considerations for algorithm changes

## Regulatory Compliance

Documentation for audits. Adverse event reporting to FDA