

Predictive Resilience for **Global Payment Infrastructure**



Predictive

AI/ML alerting identifies emerging network risks before they cause outages

Billions

Annual payment transactions protected by proactive system resilience





Zero Downtime

Goal achieved through early detection and preventative response to system signals

SERVICES

-  AI Solutions
-  Data Engineering
-  Platform Engineering

TECHNOLOGY

-  AI/ML Alerting Platform
-  Natural Language Processing
-  High-Capacity Log Processing
-  Predictive Analytics

Predictive Resilience for **Global Payment Infrastructure**

THE CHALLENGE

A global payment processing leader supports billions of financial transactions each year across a vast network of interconnected systems. As the organization rapidly adopted new technologies to support growth, infrastructure complexity increased, occasionally resulting in system incidents that were difficult to diagnose quickly.

Object Computing engineered an intelligent alerting system powered by artificial intelligence and machine learning. The platform analyzes massive volumes of system log data using natural language processing to categorize events and detect patterns that signal potential disruptions.

Predictive alerts now allow operations teams to respond before outages occur, safeguarding the performance of a payment infrastructure that supports critical financial activity around the world.

THE SHIFT

BEFORE Rapid tech adoption led to frequent system outages and network incidents that threatened billions of annual payment transactions.

AFTER A proactive, resilient network that uses predictive alerts to avoid downtime before it happens.

BRIDGE An AI/ML-powered alerting system that uses high-capacity data processing and NLP for log data categorization.

WHAT WE BUILT

FEATURES Predictive AI/ML models and natural language processing for log data categorization at network scale.

ADVANTAGES Categorizes massive volumes of system data to provide preventative alerts, addressing vulnerabilities before they cause outages.

BENEFITS Enhances network resilience and prevents costly system failures for a global leader in payment processing.



Engineered to **evolve.**

Three decades of mission-critical systems, engineered for performance and agility.

Let's Talk - hello@objectcomputing.com