DATASTRIKE

+ A LEADING INTEGRATED PAYMENTS & COMMERCE TECHNOLOGY COMPANY

How we stabilized and scaled a high-volume, 24×7 transaction platform for the leader in real-time payments processing.

BACKGROUND

This company is a leading provider of integrated payment processing and commerce technology, delivering end-to-end solutions to businesses across hospitality, retail, sports and entertainment, restaurants, and eCommerce. The company powers billions of transactions annually through a vertically integrated platform that simplifies payments while maximizing performance, security, and reliability. Its technology supports high-volume, real-time transaction environments where uptime is critical and customer experience cannot be compromised. By combining proprietary payment infrastructure, software integrations, and direct acquiring capabilities, the company enables seamless, secure commerce at scale.

CHALLENGES

Their rapid growth caused several challenges relating to how they managed and accessed data.

SINGLE TENANT LIMITATIONS

A one-merchant-per-database model could not scale efficiently and increased complexity.

24X7 PAYMENTS WINDOW

Maintenance had to occur during limited quiet hours while remaining always available.

REPORTING VS. TRANSACTIONS

Terabytes of reporting data risked slowing live inserts and authorizations.

DISASTER RECOVERY RISK

Cross data-center synchronization issues and log growth threatened resilience.

CLUSTER HOT SPOTS

Uneven merchant distribution created performance bottlenecks for their operations.

EVENT-DRIVEN SPIKES

Major events created transaction surges with zero tolerance for downtime.

WHY DATASTRIKE

This company partnered with DataStrike for hands-on database and BI expertise, onshore coverage, and a fractional model that scales on demand.

TRUSTED WORKING RELATIONSHIP

Hands-on partnership spanning design, migration, operations, and live event support.

FRACTIONAL DBA & BI SUPPORT MODEL

A fractional support model that lets the company pay only for the expertise it needs when it needs it.

ONSHORE, ALWAYS ON COVERAGE

24X7X365 onshore support aligned to the urgency of payment systems.

> Payment traffic never rests. As transaction volumes grow, we need an architecture and operating model we can trust. DataStrike helps us protect live payment traffic, isolate reporting, and plan capacity ahead of major events, so the system performs when it matters most.

SOLUTION

This company partnered with DataStrike to modernize database architecture and operational discipline while keeping payment traffic flowing. DataStrike delivered the following:

- Guided the transition from single-tenant to multi-tenant databases with new clusters sized for higher throughput

- Isolated reporting workloads from transactional systems to protect authorization speed

- Implemented proactive monitoring to track cross-data-center synchronization and alert before risk escalated

- Tuned maintenance, backups, and jobs to align configurations across environments

- Planned and executed merchant rebalancing ahead of major events to prevent hot spots

- Scheduled changes during payments-friendly windows with full 24×7 onshore support

- Minimized sensitive data exposure by excluding or masking non-essential fields in reporting and lower environments

RESULTS

Through this partnership, they saw measurable operational improvements:

- **Protected throughput** as authorization speed remained consistent while reporting expanded

- **Faster incident prevention** through proactive sync and health alerts

- **Smoother major events** with pre-event capacity planning and merchant rebalancing

- **Improved operational efficiency** by leveraging senior expertise on demand

- **Growth-ready architecture** capable of supporting significantly more merchants per cluster

ABOUT DATASTRIKE

DataStrike is the leader in 100% onshore database, cloud, and business intelligence managed services for organizations that demand speed, reliability, and control. With senior-level experts, a fractional delivery model, and 24×7×365 coverage, DataStrike helps payments and financial organizations scale with confidence and precision.

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