How FinTech Plus Transitioned to Aurora 3 PostgreSQL to Eliminate Enterprise Licensing and Drive Scale

Overview

FinTech Plus, a mid-sized financial services organization, was relying on MS-SQL Server 2016 for its core database operations. Seeking to reduce licensing overhead and secure the scalability required for its growing financial platform, they migrated to Amazon Aurora 3 PostgreSQL. Partnering with Mydbops, they executed a migration strategy that addressed incompatibilities, minimized downtime during the transition, and completely stripped out legacy licensing expenses.

$120,000+
Annual ARR Savings
By adopting an on-demand cloud pricing model.

Zero
Operational Disruption
Utilized live data synchronization to ensure zero service downtime.

100%
Data Fidelity
Transitioned all records with absolute accuracy & no data loss.

Immediate
Speed Boost
Realized significantly faster database response times.

MSSQL | Aurora PostgreSQL | Consulting Services

About

In 2026, FinTech Plus operates as a rapidly growing digital payments platform in India, integrated directly with the Unified Payments Interface (UPI) ecosystem, which processes over 740 million daily transactions nationwide. Within this massive digital payment network, the company processes hundreds of thousands of merchant payments, peer-to-peer transfers, and instant ledger updates daily. To preserve consumer confidence and meet Indian financial regulatory standards, all transaction settlements must execute immediately, especially during peak consumer shopping windows.

Deployment Type	Database Stack / Services Used	Objective / Outcome
Cloud-Based Deployment	Migration from Legacy MS-SQL to Amazon Aurora PostgreSQL	$120,000+ Annual Savings & Scalable Performance

Business Challenges

Overview

FinTech Plus was constrained by high proprietary licensing fees and performance bottlenecks on its legacy database. Scaling the platform required transitioning to a flexible cloud environment without disrupting daily transactions.

- **Escalating Software Overhead:** Scaling legacy database systems meant committing to costly proprietary software licenses, eating into development budgets and driving up overhead.
- **Rigid System Limits:** The platform faced performance constraints during high-traffic peaks, threatening transaction speeds and the overall user experience.
- **Code & Format Mismatches:** Transitioning to a new database engine required resolving structural differences without breaking customer-facing applications.
- **Downtime Risk:** As a real-time financial platform, any system outage during migration would directly impact user operations, revenue, and client trust.

Goals

- Lower ongoing operational overhead and eliminate software licensing fees.
- Protect platform uptime and transaction continuity.
- Achieve dynamic database scaling to support user growth.
- Maintain complete data fidelity and rigorous security compliance.

The Migration Pipeline

Legacy Database
MS-SQL Server 2016

Continuous Sync →

Cloud Native Engine
Amazon Aurora PostgreSQL

Solution Provided by Mydbops

Mydbops designed a structured transition strategy to migrate FinTech Plus safely to Amazon Aurora PostgreSQL. By resolving code compatibility and using live data synchronization, the team modernized the database with zero disruption to daily transactions.

- **Transition Planning:**
  Assessed application connections and database structures to guarantee a smooth, risk-free migration path.
- **Database Format Alignment:**
  Safely converted existing database structures to match the cloud-native environment, resolving potential compatibility issues.
- **Live Data Synchronization:**
  Deployed continuous data sync tools to duplicate active financial data, keeping legacy and cloud systems in sync prior to the final cutover.
- **Application Integration:**
  Updated connecting applications and optimized configurations to ensure continuous platform availability.
- **Compliance & Security Deployment:**
  Configured strict cloud network access, identity protocols, and data encryption to align with industry regulatory requirements.

LEGACY SETUP
MS-SQL Server 2016

Licensing Overhead
High fixed enterprise software licensing fees.

Scaling Constraints
Hardware-bound scaling limits performance.

Cost Model
Heavy upfront capital expenditure requirements.

MODERN SETUP
Amazon Aurora PostgreSQL

Zero License Fees
Complete exit from database software license contracts.

Elastic Scaling
Dynamic horizontal scaling to process transaction spikes.

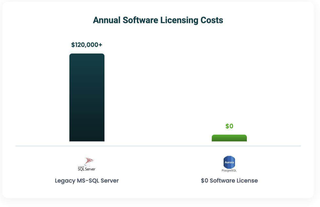
Cost Model
Efficient, on-demand operational cloud pricing.

Results & Impact

Key Outcomes

✅ **Direct ARR Savings**

Saved over $120,000 annually by exiting legacy commercial licensing contracts, shifting entirely to on-demand cloud pricing.



✅ **Zero Customer Impact**

Completed the final cutover during low-traffic hours with zero service disruption to active users.

✅ **Absolute Data Fidelity**

Transferred all financial records securely with 100% data integrity and no record loss.

✅ **Reliable Performance Under Load**

Upgraded the platform's ability to handle sudden transaction surges without performance degradation.

✅ **Enhanced Audit-Ready Security:**

Bolstered data security using robust cloud security controls, protecting sensitive customer transactions.

Capability	Legacy MS-SQL Setup	Aurora PostgreSQL Setup
Cost Structure	$120,000+ Annual Licensing	On-Demand Cloud Pricing
Scaling Agility	Rigid, hardware-bound processing	Dynamic, horizontal cloud-native scaling
Service Continuity	Outage risks during major peaks	Automated multi-node replication
Security Controls	Traditional local server configurations	Native cloud networks & automatic encryption

For a growing financial platform, the database is the foundation of client trust. Every delayed query or licensing audit translates directly into operational friction and missed opportunities. Operating on a legacy database platform presented FinTech Plus with high licensing overhead and rigid scaling options that hindered their growth in a fast-paced market. The decision to migrate was logical, but executing it required careful planning to avoid service disruption. By collaborating with Mydbops, FinTech Plus systematically addressed these challenges. Engineers resolved database system mismatches and maintained an active data sync between the legacy and cloud environments.

When the time came to cut over, continuous replication enabled a smooth transition with minimal disruption to the platform's users. Today, FinTech Plus operates free from legacy licensing constraints, saving more than $120,000 annually by transitioning to Aurora's on-demand scaling and pricing model. Backed by a highly scalable database environment that is fully compliant with modern financial security standards, this transition has positioned them to focus on scaling operations and serving clients without being held back by their data layer.

A Partner You Can Trust

Mydbops brings specialized database engineering and migration expertise to help financial institutions navigate transitions away from legacy database systems. Our focus on systematic schema conversion, zero-downtime replication strategies, and cloud security compliance ensures your financial data layers remain secure and resilient as your transaction volumes grow.

Looking to Migrate Your Legacy Databases Without the Friction?

Schedule a Database Migration Consultation with Mydbops Experts →