

Zoomcar modernizes data platform with Google Cloud migration



Client profile

Zoomcar, India's largest car-sharing marketplace, was founded in 2013 and is headquartered in Bengaluru. It connects car owners with users, giving them a choice of 25,000 cars from over 90 cities. The aim of the business is to create smart, flexible and sustainable mobility solutions across urban India.

Zoomcar, a peer-to-peer car-sharing marketplace in India, unlocked scalable, cost-efficient data operations and faster insights by modernizing its platform on Google Cloud. With NTT DATA as a partner, the company migrated major workloads to BigQuery and managed services, strengthening performance and supporting growth.



NTT DATA's deep expertise in large-scale migrations enabled us to modernize seamlessly, without disrupting our operations. Their team led our transition to Google Cloud, simplifying data workflows and building a platform designed to scale with our growing needs. With NTT DATA, we now have the performance and flexibility to confidently support our next phase of growth."

Vishal Ramrakhyani
CPTO, Zoomcar

5,000

tables migrated

60-70TB

of data moved to
Cloud Storage

20+

databases modernized
on Google Cloud

Business need

Zoomcar required a scalable, cost-efficient data platform

Zoomcar was experiencing rapid growth in both user numbers and data volumes as its peer-to-peer car-sharing marketplace expanded across India. The company's existing cloud setup required frequent upgrades, came with premium support costs and lacked pricing stability. Scaling computing and storage capacity involved complex cluster expansions, which slowed performance and delayed the delivery insights needed for real-time decision-making. With thousands of tables and multiple database engines in use, data fragmentation made analytics and application development increasingly difficult.

To sustain expansion and deliver a smooth user experience, Zoomcar needed a modern infrastructure capable of handling large, diverse datasets without manual overhead. The company sought a unified data foundation that would help it process bookings, vehicle telemetry, pricing intelligence and customer behavior faster and more reliably. A clear technology vision emerged: consolidate data, automate scaling and adopt managed services that reduce operational burden while enabling rapid innovation. Migrating to Google Cloud's fully managed platform aligned with that vision. The new platform simplified operations, providing elasticity, performance consistency, and a strong foundation for future AI-driven features and mobility services.

Solution

Modernizing Zoomcar's data foundation on Google Cloud

We focused on transforming Zoomcar's fragmented and resource-intensive environment into scalable cloud-native architecture. Our team worked closely with Zoomcar's leadership and engineering groups to understand current workloads, operational pain points and future product goals that were tied to mobility growth.

We recommended a phased migration approach to ensure business continuity while addressing the complexity of moving multiple storage systems and analytics pipelines.

By unifying disparate data assets into BigQuery, a unified analytics platform, insights are now generated faster, and it's much easier for business teams to access important data. Production workloads were re-architected, with fully managed services designed to support different performance and availability needs. Data processing jobs were shifted to an autoscaling environment, eliminating manual intervention and reducing operational complexity.

This approach relied on repeatable migration frameworks, strong governance and continuous optimization to ensure a smooth transition and long-term sustainability. We worked closely with Zoomcar stakeholders to align on cost structures, compliance requirements and future scalability plans.

With a modern cloud foundation in place, Zoomcar now benefits from greater dependability, faster analytics, and a flexible cloud operating model that supports rapid business expansion. The business can now accelerate innovation in shared mobility services and improve the customer experience without the burden of maintaining legacy infrastructure.



Our rapid growth demanded a unified, scalable data platform to enable faster decision-making and power new mobility initiatives. We needed an environment that could evolve with us while unlocking innovation across teams. Today, this modern foundation gives us the flexibility to launch new services, elevate customer experiences, and derive greater value from our data.”

Vishal Ramrakhyani
CPTO, Zoomcar

Outcomes

Scalable data platform enables faster innovation and business growth

Scalable performance

- 5,000+ tables consolidated into a single analytics engine
- 20+ databases modernized and optimized through managed services
- Solution supports operations in 90+ countries

Cost and efficiency gains

- 60-70TB of data moved to a cost-efficient storage
- Automated scaling eliminated manual cluster management

Faster innovation

- Unified datasets shorten delivery times for new mobility features
- Cloud-native environment supports future AI and real-time intelligence

Visit nttdata.com to learn more.

NTT DATA is a \$30+ billion business and technology services leader in AI and digital infrastructure. We accelerate client success and positively impact society through responsible innovation. As a Global Top Employer, we have experts in more than 70 countries. NTT DATA is part of NTT Group.

