

AccioJob boosts scalability and performance by migrating workloads to Google Cloud



Client profile

AccioJob — an edtech platform based in Haryana, India — offers a premier learning experience for students aspiring to build careers in software development. With a strong presence in the industry, the platform has 131,000 registered users, including 20,000 actively participating in the precourse and 1,400 enrolled in the full program.

As part of its business-to-business strategy, AccioJob collaborates with colleges to source users from the student community. Their infrastructure was previously hosted on DigitalOcean, and they aimed to move to Google Cloud Platform (GCP) to leverage an optimized cloud environment. The migration was driven by the need to utilize Google Cloud's advanced capabilities in computing engine, storage and database management. NTT DATA assisted AccioJob in migrating their infrastructure to GCP. This transformation provided a robust and scalable cloud infrastructure, enabling seamless growth and expansion.

“A successful infrastructure migration was achieved with excellent support provided by the NTT DATA team. They helped us with the migration of applications and a database from DigitalOcean to GCP. The communication was clear and consistent, and any issues that arose were quickly resolved.”

Harsh Sharma, Co-founder, AccioJob Private Limited

**7 applications &
1 database**
successfully migrated from DigitalOcean to GCP

131,000
registered users on AccioJob

Business need

Improve performance and boost cost-efficiency

Before migrating to Google Cloud Platform (GCP), AccioJob faced challenges including:

- **Performance limitations:** Existing infrastructure on DigitalOcean struggled to meet growing demands
- **Scalability challenges:** Difficulty in handling increasing user traffic and expanding workloads
- **Cost inefficiencies:** Higher operational expenses due to suboptimal resource utilization

Solution

Seamless migration to GCP for enhanced scalability and performance

NTT DATA enabled AccioJob's move from DigitalOcean to GCP, ensuring a smooth transition. The redesigned infrastructure enhances scalability, performance and resource efficiency. Migrating data to Google Cloud Storage improved security, reliability and seamlessly integrated with GCP services. This upgrade empowered AccioJob with a resilient cloud foundation to support its ongoing growth.

Google Compute Engine was used to host blogs, booking systems and internal tools, providing scalable and reliable virtual machines to handle varying workloads efficiently. Web applications were deployed on Google App Engine to enable automatic scaling and reduce the effort needed to manage infrastructure.

To ensure a secure and well-structured cloud environment, the GCP infrastructure was configured with Virtual Private Cloud networks, firewalls and subnets, allowing controlled access and efficient network segmentation. Product images were stored on Google Cloud Storage to enable cost-effective, high-availability storage with seamless accessibility.

Google Deployment Manager was leveraged to automate resource provisioning and simplify infrastructure management. Cloud Identity and Access Management was implemented to enforce role-based access control, enhancing security and compliance. Additionally, Cloud Operations Suite was utilized for real-time monitoring, logging and alerting, ensuring proactive issue resolution and system reliability.

Outcomes

Robust cloud foundation enables growth and innovation

NTT DATA played a pivotal role in ensuring a seamless migration to GCP by leveraging its deep expertise in cloud migration and infrastructure optimization. With a tailored approach, NTT DATA designed a migration strategy that aligned with AccioJob's specific scalability and performance needs. From initial planning to post-migration support, the team provided end-to-end guidance, ensuring minimal disruption and a smooth transition.

By utilizing GCP's advanced capabilities, NTT DATA helped AccioJob optimize performance, enhance scalability and achieve cost efficiency. Additionally, security and compliance remained a top priority throughout the migration, safeguarding data integrity and ensuring adherence to industry standards. With this transformation, AccioJob is now equipped to leverage GCP's innovative cloud services, unlocking new opportunities for growth and technological advancement.

Highlights:

- **Zero downtime:** 7 applications and 1 database successfully migrated from DigitalOcean to GCP, ensuring a smooth transition
- **No data loss:** All data securely moved from DigitalOcean Storage Object Service to Google Cloud Storage for enhanced reliability
- **Improved resilience:** Better scalability, performance and reliability with a more efficient and robust cloud environment
- **Enhanced connectivity:** Seamless connectivity with Google Cloud services to drive better operational efficiency and resource utilization
- **Strengthened security:** Enhanced data protection and availability, enabling long-term scalability and business growth.

Visit nttdata.com to learn more

NTT DATA is a trusted global innovator of business and technology services, helping clients innovate, optimize and transform for success. As a Global Top Employer, we have experts in more than 50 countries and a robust partner ecosystem. NTT DATA is part of NTT Group.

