

# Clara Edtech achieved the highly optimized infra with MIND's proficient consulting and technical expertise by migrating their key applications to secure and efficient Amazon cloud



“

I want to express our satisfaction and gratitude to both AWS for MIND teams, thankful to AWS team for introducing us with MIND. You guys have been a great consultant, sincere listeners to the problem statement and thorough professionals in suggesting the right matrix for FlipEd, a Unique Cloud School Platform.

We feel confident and safe with this association and am sure that we'll be able to keep the customer data secured on FlipEd, with your support. The primary reason to identify and proceed with AWS and MIND is to maintain data security and privacy at the highest grade, so that we can create a niche for Clara/FlipEd.

”

Good luck to this association and thanks again for being a trusted IT Consultant.

- **Krishnendu Dutta**  
Director Digital, Clara Edtech Pvt. Ltd.

## About Clara Edtech

Clara EdTech is an education technology venture that empowers the young learners with self-learning skills that shall not only break free of the current top-down teaching practices (rote learning) but also, engage with the rapidly changing world order of digitalization and globalization. Flip ED is an initiative of Clara Edtech, which provide solutions for Live classes, Video on demand, content publishing, online assessments etc. Clara Edtech BookStore is an online book selling platform which cater to school specific book and stationary selling.

## Benefits with AWS

- AWS auto scaling service and elastic load balancing to respond quickly to varied demand
- Improved data privacy and data security
- Consistent performance & reduced load on backend server
- Highly optimized infra & complete value for money

## AWS Services used

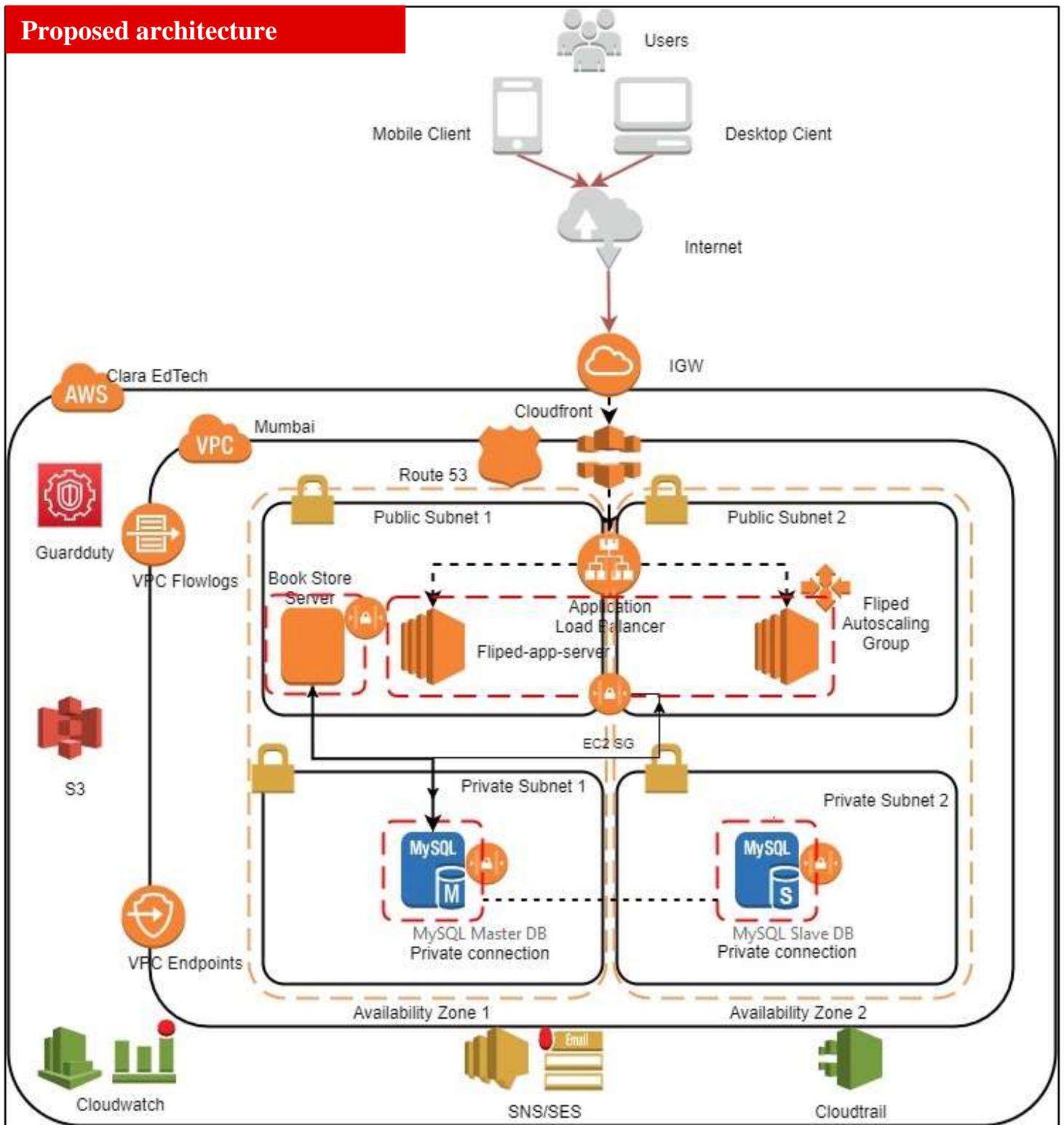
- AWS Data security service (Inspector, GuardDuty & Config)
- AWS CloudFront (CDN)
- AWS CloudWatch
- AWS CloudTrail
- AWS Simple Storage service (Amazon S3)
- AWS SNS/SES

## A growing startup EduTech company looking for secure, reliable and cost-effective cloud environment

**Clara Edtech** was using services from a shared hosting provider due to which data security becomes a major concern. They were looking for an optimized cloud infrastructure with dedicated server for their key workloads. **BookStore App**, an online book selling app which had vendors and schools as key stakeholders and they had to influence them with authenticity and reliability of application including a robust infra. The other application, **FlipED** a unique learning and education concept with a futuristic approach. This application includes the services like Live classes, Video-on-demand, Assignments, Assessment etc.

Being a growing startup, they were looking for a highly scalable cloud environment to quickly respond to varied requirements with optimum cost. Clara Edtech was looking for a technology service provider who not only support for migrating their workloads to a reliable Cloud but also guide them for optimized solution with consistence performance & controlled cost. MIND, with its proficient consulting and technical experts helped them to achieve highly optimized cloud infra.

## Proposed architecture



### Migrating mission critical Applications to AWS for data security and data privacy

Since Clara Edtech applications were hosted on a shared hosting provider due to which data security becomes a major concern and they were facing challenges in convincing their partners and stake holders about the security of content they are uploading through their platform. By migrating to AWS cloud and implementing the AWS Data security service like Inspector, Guard duty & config, they got enhanced data security. They also got the improved data privacy by launching their DB server in private environment. Thus, it helped them in getting a secure and reliable infrastructure.

## Enable business growth and expansion with highly scalable cloud solution

Clara Edtech is a growing startup, and so their infra requirement is not consistent. Sometimes users traffic increases suddenly and they face challenges in meet up the increased demand which resulting as a challenge in business growth. If they prepare for additional infra in advance then it was causing the wastage if they not get the adequate demand. Thus, getting a right sized infra with auto scaling was very much required to quickly respond to varied demand. MIND has helped them in implementing AWS auto scaling service and elastic load balancing to scale up/down infra as per the demand and that too at optimum cost.

## Guidance and consulting to achieve highly optimized infra

There was another challenge with Clara was not having appropriate IT resources and subject matter experts in their team to guide them for infrastructure optimization to get right sized infra with minimal cost. MIND took consultative approach rather being a service provider to Clara. With the team of technically proficient solution architects and cloud practitioners, they got the guidance for designing an highly optimized and right infra at optimum cost.

## Migrate to get consistent performance across the geographies

Clara applications are used by users across the geographies. Thus, it's difficult to provide consistent service to users across the geographies from single source server. With the implementation of Amazon Cloud front for content delivery, Clara succeeded to reduce load on backend server and provide consistent performance across the geographies.

## Timely response for issue raised to ensure high uptime

Clara has opted for the managed services from MIND for getting professional customer service support. MIND not only address the issues raised by customer but also do lot of improvisation activities like strategic monitoring, frequent infra optimization, alerts and reminders to take proactive and timely action against any possible threat and achieve service excellence ensuring high uptime. With SLAs in place, we are always committed to timely response to issue raised in defined timelines.

## Cost effective cloud environment with transparent billing and optimum resource utilization

Clara is a growing startup and keeping cost low was one of the KPIs. They invest a lot in engineering and development to improvise the product and differentiate themselves to get the competitive advantage. Clara also looking for a cost-effective cloud services without compromising on service quality. We helped them getting highly optimized infra with optimum cost. Strategic workload monitoring and highly optimized infra, ensured complete value for money and optimum resource utilization with complete transparency.

## About the Partner

### MotherSumi INFotech & Designs Ltd.

MotherSumi INFotech & Designs Limited (MIND), a SEI CMMI Level 5 IT services company and the IT back bone of MotherSumi group. MIND is a trusted technology partner to over 200 clients globally. Our value proposition is in our strength in specific Industry segments and years of experience in the areas of intelligent warehousing, Supply chain enablement, software application development, smart ERP customization, infra managed services, cloud, IoT & Analytics. MIND is serving customers in 41+ countries with a strong team of 1500+ professionals.

