

A background image showing a person's hands holding a smartphone and a credit card. The smartphone is held in the right hand, and the credit card is held in the left hand. The credit card is black with gold text and a gold chip. The background is a blurred office setting with a laptop keyboard and a cup of coffee.

## HOW ZUCI HELPED A LEADING PAYMENT GATEWAY SYSTEM TO SEAMLESSLY MIGRATE ITS ON-PREMISES TO CLOUD BASED SOLUTION

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CASE STUDY

## PROBLEM STATEMENT



Our client has developed customized payment gateway solutions for organizations in market segments like hotels, restaurants, retail establishments and direct marketing companies. With up-to-date security tools and cutting-edge technology, the client's payment gateway solution mitigates merchants'(vendor's) system from handling and storing sensitive payment card data.

The client was planning to move their entire payment gateway system to a cloud-based solution. This involved consolidating their systems that currently worked on old technologies and updating them to current programming languages. And as part of cloud migration, they wanted to change the tech stack of the systems.



## BUSINESS GOALS:

The main objective here was to change the technological environment of the client's existing payment gateway services to further refine it. To break it down further, these were the set of goals for which Zuci actively worked alongside the client:

1. Leveraging cloud technology to employ extra bandwidth on demand, with additional computing resources as and when gateway loads increase
2. Provide high availability or continuous uptime by making sure systems, databases and applications operate seamlessly
3. Ensure that there is no single point of failure by making all the information and data secure, and easily accessible
4. Real time data replication to store the data in multiple locations as backup or to be used in case of any failures
5. Operate out of geographically diverse data centers for resolutions in case of any unplanned downtime

## WHAT WENT BEHIND MAKING THIS SOLUTION A REALITY?



The team at Zuci first worked on improving Java Services by adding up the unit testing coverage with the latest frameworks like Spock in Groovy



They then proceeded to enhance existing Java services by implementing API Documentation via Open-api library to improve the ease of API integration



The team also consistently addressed the functional issues raised by QA as part of Cloud Migration

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## WHAT WENT BEHIND MAKING THIS SOLUTION A REALITY?



Cloud setup was previously different from the existing non-cloud architecture. Hence, there were differences raised during the QA validation in the responses of various services. The team at Zuci successfully helped in bridging this gap in the existing production environment



The team was involved in technology upgradation which included migrating NimbusUI application, which was the UI used by client's merchants from JSP-Springboot to React-Springboot

*Payment Successful*  
*Payment Successful*



## WHAT DID ZUCI ACHIEVE FOR THE CLIENT?



The client is able to ensure security of data through - Tokenization, Point-to-Point Encryption, POS De-scoping with the cloud-based payment solution



Payment process is simplified by providing connectivity to payment processors through single message interfaces



Payments have become faster and easier with this cloud migration which has made the payment gateway more reliable and rapid



TECH STACK







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