VIRTUAL GOODS ADMINISTRATION AND SERVICES

CLIENT OVERVIEW

Our client is one of the leaders in global mobile communication with products and services ranging from messaging to enterprise mobility for secure and efficient content purchase from online shop. Our client's online messaging products are very popular in the communication industry and allows users to chat and share data with speed, control and privacy.

KEY REQUIREMENTS

- Incorporate content management tool which should be lightweight, maintainable, and scalable.
- Implement content "Targeting" capability based on country/carrier/platform.
- Integrate backup feature for all chat history.
- Incorporate an admin panel for organizing and managing the incoming content through front end interface for online shop.
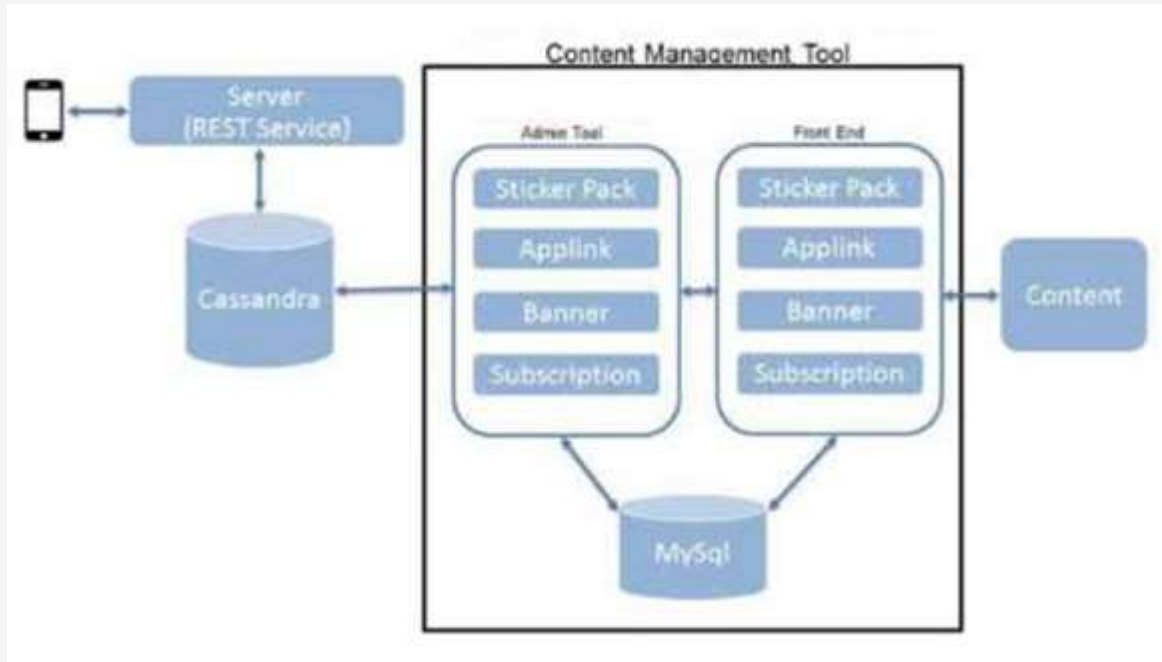
KEY CONTRIBUTIONS

- Developed organizer and administrator features for virtual goods and added Linguistic Translations which allows the subscriber to view the content in their native language.
- Designed schemas to reduce latency in content read operation and condense the load on the existing network links.
- Incorporated new content management features like Sticker bundle, Appling Management, and Banner Management etc.
- Used Apache Cassandra in cluster environment to provide high availability and partition tolerance.
- Used REST Service to fetch content of the device and handle concurrent device requests.
- Improved database robustness by re-architecting Cassandra DB schema.
- Developed new REST services to cater device requests for online shop, Splatting feature and SKU's.
- Developed the data migration script written in Cassandra to update the content in the clustered Cassandra node.
- Designed and developed the Test-Suite for automating the feature testing.

KEY BENEFITS

- Improved the acceptance of the app through easy-to-use UI and subscription features.
- Reduced image upload time by 80% by effectively designing image upload to content management server.
- Improved resource performance by introducing pagination technique for online shop content management.
- Localized the application by implementing Linguistic Translation feature which allows subscribers to see content in their native language thus improving the reach.

HIGH LEVEL ARCHITECTURE

TECHNOLOGY STACK

- Android Studio, Objective C
- Touch-Id, PhotosKit, Git, Gradle
- Cygwin64, Python 2.x, Android SDK
- Android build tool, Web Services

- PHP, JavaScript, AJAX, Python, Ruby, Shell scripts
- Java, Jersey, Tomcat, REST
- Cassandra, MySQL

About Xoriant:

Xoriant Corporation is a Product Development, Engineering and Consulting Services Company, serving technology startups as well as mid-size to large corporations. We offer a flexible blend of onsite, offsite and offshore services from our eight global delivery centers with over 2000 software professionals. Xoriant has deep client relationships spanning over 25 years with various clients ranging from startups to Fortune 100 companies.