

Mobile

App Development

# mLearning Solution

Requirement Gathering, Analysis, Solution design

Development of Server Apps, Web Services

Mobile App Development

Missed Call / SMS Authentication & Integration

GCM and iOS Notification Integration

System Testing

Technical & User Documentation

Post Deployment Support and Maintenance



Integra Micro Software Services

## About Client

The client is a global leader in mobility solutions & VAS. Partnering with some of the world's largest and fastest growing mobile service providers, they offer a wide range of mobility solutions that have accelerated revenue growth, enhanced customer loyalty and delivered significant cost efficiencies. They have an established presence in more than 90 countries with over a billion mobile users accessing their solutions globally.

## Business Need

The customer need was to develop a mobile-based end-to-end learning solution to cater to both corporate and general consumers consisting of server applications to manage users, create and publish course content, assign course to groups and individual users. The course should be accessible either online or offline by downloading the course content.

The solution need to provide analytics on the progress, performance and suggest areas where the user must take-up additional courses.

## Engagement Scope

- Requirement gathering and analysis
- Solution design
- Development of server applications, web services and native mobile applications
- Integration with third party servers for missed call / SMS authentication
- Integration with servers of GCM and iOS to notify new courses
- System testing
- Technical & User documentation
- Post deployment support and maintenance

## Challenges

- Highly dynamic product evolution
- Implementation of authentication mechanisms with 3rd party service providers
- Unplanned changes in the format and approach of delivering the course content

# Our Solution

Integra developed customized open source learning and content management server to suit the requirement of the customer, and integrated it with a smartphone application which was developed in-house.

## Salient features of the mLearning mobile client

- Auto SMS based registration and authentication of the user (employee)
- Facility for course download
- Profile management
- Analytics upon course completion & Facility to redo a course
- Course recommendation to fellow users
- Feedback mechanism
- Push notifications

## Salient features of the server implementation

- User management & Course management
- Reports
- Facility to handle bulk management of user profiles
- Notification management & SMS Notifications
- Notifications through push notification server (GCM, APN)

## BENEFITS

- Customer could augment additional trainings and knowledge base
- Courses could be restricted within the corporate
- Courses could be offered as a service over cloud

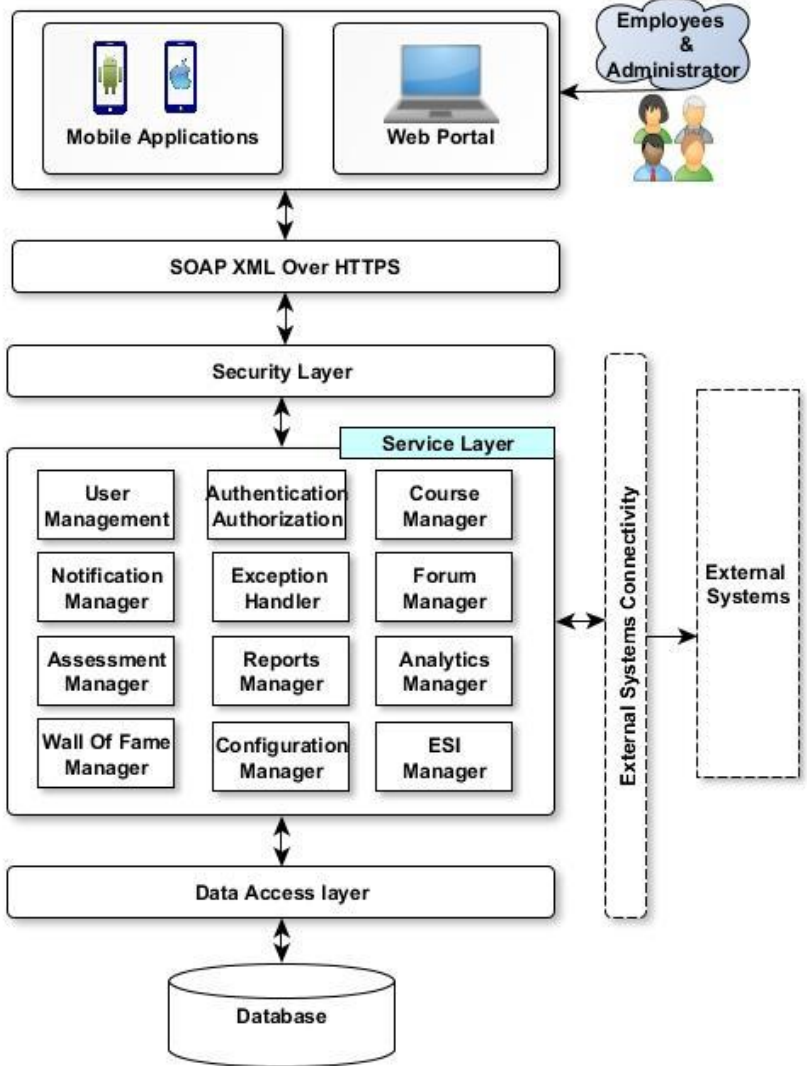
## TECHNOLOGY HIGHLIGHTS

PHP Zend 2 MVC framework, MySQL

Mobile platforms

Android ( 4.x), iOS (6.0 to 8.0)

SQLite, JSON, Notifications



More Info on Mobility Services from Integra

<http://integramicroservices.com/offerings/mobility>

More Info on App Development Services from Integra

<http://integramicroservices.com/offerings/app-development>

---

## Shorten the development life cycle

For more information, reach us at [enquiry@integramicro.com](mailto:enquiry@integramicro.com) or [integramicroservices.com/contact](http://integramicroservices.com/contact)



Integra is a leading provider of software services specialising in BPM, FinTech, IoT, Mobile Communications and Enterprise Mobility. With a strong track record across these domains, proven expertise and knowledge, we are an ideal partner for technology and solutions development.

Copyright © 2014 Integra Micro Software Services Pvt. Ltd., Bangalore, India. Integra believes the information in this publication is accurate as of its publication date. Such information is subject to change without notice. The presentation material provided does not imply any express warranty on the deliverables unless mutually agreed between the two contracting parties. Integra acknowledges the proprietary rights of the trademarks and company names mentioned in this document.

Stay Connected

