



Global IT Solutions

An ISO 9001:2015 & ISO/IEC 27001:2013 Certified Company

# Application Development for MDM Solutions Provider



## About The Client:

The client is a strategic consulting partner with intersectoral expertise and provides a broad range of IT Consulting and Support Services. These services include Advisory Services, Application Development & Management, Quality Assurance, Enterprise Information Management, Business Intelligence and Big Data, Infrastructure Services, Security and SAP Services.



## Client's Technology Requirements:

The client has initiated a MDM (Mobile Device Management) platform, and required an offshore development team to further develop and manage the platform. It included developing new features and intermittent product releases along with support and maintenance of current product release.



## Key Challenges:

- To design new architecture for better performance and reduce object re-initialization
- To handle the complexities across different mobile platforms like iOS, Android, Windows operating systems
- Optimize code, portability, security (not exposing real database object)
- Sustain code maintainability and code readability



## Solution Approach & Methodology:

Mobile device management is offered both as a service and product. The solution is designed keeping in mind the ease of use for organization while providing all aspects of mobile device management be it policy enforcement, configuration management, security establishment and enforcement, integrity maintenance, encryption in case of theft/loss of device, changes in application settings, monitoring the device usage, process updates and modifications. We clearly designed the approach through which popular platform devices communicate to the centralized server via JSON API and after successful enrolment, server gets full control over the management of devices. Some of the key points in solution are:

- User friendly intuitive interface
- Management of mobile devices without compromising the user experience, security and privacy
- Use of reliable and latest open source technology stack i.e. PHP, MySQL, front end JS libraries, JSON
- Use of in-house cloud servers when providing MDM as a service
- Support for all major platforms like Apple, Android, Windows and Symbian legacy
- Secure access to business data by providing communication channel over secured WiFi channels or VPN gateway



## Achievements:

- Solution developed by the team has helped client add two new large-enterprise customers
- Highly participative and proactive approach resulting in product improvement
- Suggested shorter release cycles while maintaining the client's high-level QA standards
- The team was able to exceed expectations, which resulted in consistent appreciation and recognition from the client
- The client has increased the development activity and dedicated test management services are also undertaken to maintain high-level QA standards

## Project Highlights:

<b>Client</b>	MDM Solution Provider
<b>Location</b>	Germany
<b>Industry</b>	Enterprise Mobility Solutions
<b>Duration</b>	2015 to till date
<b>Team Size</b>	12 people
<b>Delivery Model</b>	Offshore
<b>Engagement Model</b>	Time & Material

## Technology Deployed:

<b>Language</b>	PHP
<b>Framework</b>	Custom framework designed by customer over OOPS concept
<b>Front End</b>	HTML5, CSS3, jQuery, Object oriented JavaScript
<b>App Server</b>	Apache running PHP
<b>Database</b>	MySQL
<b>Platform</b>	LAMP
<b>Development Tools</b>	Eclipse IDE, NetBeans IDE

## About PSI

Pratham Software (PSI) is a global IT services company (with established ISO 9001:2015 & ISO/IEC 27001:2013 practices) providing software product development, consulting and outsourcing solutions to enterprises world-wide. While providing a wide range of solutions, we focus on Outsourced Product Development (OPD), Business Process Management (BPM), Application Development and Maintenance (AMD) and Content Engineering. Our extensive experience in OPD helps us build strong relationships with Independent Software Vendors (ISVs), as we work with them throughout the product development lifecycle. In terms of technology and platform, we work across all major technologies such as Microsoft, Java and Open source and have capabilities and experience in developing solutions for web, mobile, Cloud and social media. For Enterprise customers, in addition to Process Automation, we also offer development and support services in BI and DWH.