

# Services Overview



**Make IT Happen**

appcetera|MD designs, develops, and sells software and related services for the healthcare and medical ecosystem. Our technology empowers every health consumer, health provider, and health organization to connect to better health. We plan, build and innovate—from data analytics to digital health solutions. We develop practical & secure compliant mobile apps and software designed uniquely for you to increase your revenue and improve patient care.

**Call us now 1-877-378-1199**

## Technology and Methodology

Modern development systems use formative development

- Eclipse and Java Android SDK
- XCode and Objective C

## Cloud Server-Side Development

Using the following platforms:

- Ruby on Rails (Rackspace)
- PHP with Zend Framework (Amazon EC2, S3)
- Microsoft .NET (Microsoft Azure)
- Google Application Engine, Java, Python



## Client/Server Mobile Information Systems

- Development of server side with Application Programming Interface
- Development of communication protocol using HTTPS, REST, JSON, XML
- Transferring different data formats, including images, audio, video

## Integration with Social Media Services

- Android Services allow running the app in the background
- Using of Google Maps and Location Services
- Integration with Twitter, Facebook, LinkedIn etc.
- Using of PUSH-messages communication
- Supporting of phone and tablet devices for Android/iOS

## Hardware Support

- Different network providers, Wi-Fi, EDGE, 3G
- Accelerometers
- GPS and different location providers
- Native and Application Cameras
- Barcode Scanners, QR codes
- SMS



## Mobile Database Management

- Using SQL-Lite and ORM-Lite solutions
- Using XML and JSON libraries for protocol
- Have experience in two-way data synchronization between server and mobile client
- Have experience in pagination algorithms of data presentation on mobile platforms

## Documentation and QA

- Team creates documentation for code by Doxygen or Javadoc
- Well documented client-server protocol for API
- Providing comments in source codes on required level
- Team follows strict requirements on Coding Convention
- Version control by SVN or GIT
- Unit test and automation tests
- Manual QA testing and System Integration Testing
- Performance and load stress testing

Building a mobile application for healthcare requires a higher level of planning, preparation, and support than for other sectors. In addition to accounting for the clear security and compliance requirements inherent in handling such sensitive data, there remain many other nuances that can quickly sink any healthcare initiative. There are a large number of healthcare technologies, all which leverage differing communications protocols and are at varying stages of development. Additionally, each health organization follows its own set of standards, protocols and policies.



Leveraging a software solution from appcetera|MD that has expertise in supporting application development specifically for mHealth will not only offset the risks of noncompliance, but will also increase your Providers' abilities to achieve interoperability impacting their Medicare reimbursement and quality of care.



# Integration Engine

Have a more accurate view of users by integrating data from other health systems.

## Electronic Medical Record and Electronic Health Record Integrations.



Sync data to and from popular EHR systems using both direct and middleware connectors.

## Wearable Connect.



Bring in data from wearables and other IoT devices to improve data quality and paint a more accurate picture of your users.

## Custom APIs and best-of breed partners.



Have other data from business, clinical, or operational systems you'd like to integrate? Leverage our custom API or business partners to do so.