Case Study: Tablet App for Homecare and Hospice Clinician Engagement
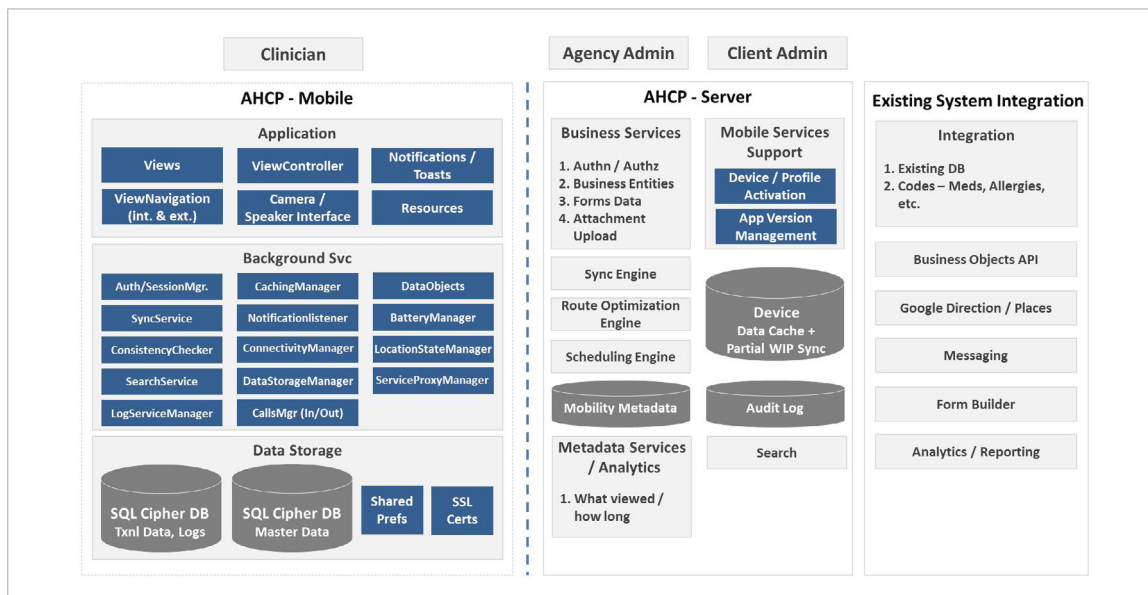
Client Requirements

Client is a leading technology & services company that serves more than 1,300 home health care and hospice care agencies in the US and Puerto Rico.

Client needed to develop a HIPAA complaint mobile app that would be used by clinicians for managing their daily workflows and engaging with patients using Android tablets. Given its expertise across mobile technologies and platforms, and interoperability, CitiusTech was selected by the client to design and develop the tablet based app for visits scheduling, directions, creating care plans & documenting visits using OASIS forms.

Solution Design and Development

CitiusTech assembled a strong engineering team with expertise in leveraging Android native features and developed a clinician app using Android native approach. The application designed -

- Enabled use of NFC to exchange content with other users of the same app
- Allowed secure capturing of images, audio and video data streams, location tagging, opportunistic data sync and bi-directional communication with the server when available
- Enabled clinician to consolidate four separate notions including daily planner, GPS unit, etc. into one tablet

Key Features Required

- View clinician's schedule, tasks, messages
- View patient's latest activity, tasks, schedule
- Visit Scheduling, Routing, Documentation
- Location / Activity / Patient Context awareness
- View, create & update care plans
- Upload pics, videos of patient's injury / gait
- Monitor patient's progress towards goals
- Gamification to improve user engagement
- Trend dashboards, emergency calling

Value Delivered

By partnering with CitiusTech, the client was able to:
- Improve operational efficiency and reduce lag time for engagement with physicians
- Implement advanced location-aware use cases and provide the ability to leverage media capabilities on a tablet device in meaningful ways
- Ensure rapid turnaround of application development and deployment, and reduce time-to-market
- Lower development and implementation costs by 35%

All product and company names mentioned herein are trademarks of their respective owners