

Case Study: Mobile Apps for Nephrologists

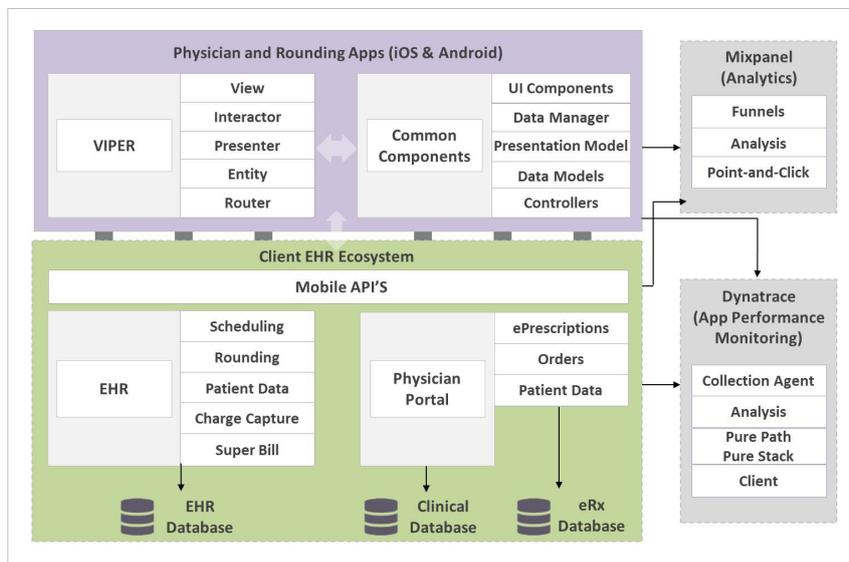
Client Requirements

Client specializes in providing renal care solutions to patients with Chronic Kidney Disease (CKD) and End-Stage Renal Disease (ESRD). Client sought to enhance its nephrology dialysis solutions to offer integrated treatment and provide care regardless of the location. Client also needed to build a native rounding app for iPad to be used in clinics for scheduling of, and rounding on patients, and an iPhone-based physician app that can be used outside clinics to sign orders, approve prescriptions, charge capture, invoices and attestations.

CitiusTech was selected for its expertise in healthcare domain and ability to work on end-to-end mobile solutions.

Solution Design

- Developed native iOS app for iPad, Android and iOS apps for phone
- Defined architectural standards, coding standards and engineering processes
- Adopted an incremental approach to re-architect existing platform
- Designed a shared library-based code base for re-usability across apps
- Provided complete testing and validation support including mobile application performance testing
- Integrated software for application performance monitoring
- Performed security review of the apps
- Worked with client's mobile centre of excellence for app reviews and approvals



CitiusTech Solution

Requirement Analysis

CitiusTech team conducted a detailed assessment of client's requirements. The client required the apps to support multiple OS versions. Some features needed to be shared across rounding and the phone app. Architecture needed to accommodate this and scale in the future to share additional features.

Value Delivered

By partnering with CitiusTech, the client was able to:

- Deliver a robust and performant mobile solution to use within clinics and outside the providers' office
- Drive user engagement to achieve greater compliance, better care, and increase data collection
- Establish processes to streamline development, ongoing maintenance and release cycles

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About CitiusTech

CitiusTech is a specialist provider of healthcare technology services and solutions to medical technology companies, providers, payers and life sciences organizations, with over 2,700 professionals worldwide. CitiusTech's services and solutions include healthcare software development, healthcare interoperability, regulatory compliance, BI/analytics, consumer engagement, care coordination and population health management. CitiusTech helps customers accelerate innovation in healthcare through a number of solutions and accelerators for clinical quality reporting, healthcare big data, cloud computing, mobile health and predictive analytics. With cutting-edge technology expertise, world-class service quality and a global resource base, CitiusTech consistently delivers best-in-class solutions and an unmatched cost advantage to healthcare clients worldwide.

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