



# AN INTEGRATED SAAS BASED HEALTHCARE SOLUTION

**KEYWORDS:** SOA, J2EE, ROR, .Net, AngularJS, JQuery, Selenium, IOS

The Client is a rapidly-growing SaaS company in the healthcare space, which help medical providers manage their patient workflow, diagnosis, health records and billing. Their biggest challenge was that their web based and iPad-enabled offerings were built over an extremely complex architecture. Imaginea helped them revamp it and also helped them achieve MU2 (Meaningful Use Stage 2) Certification. The Client ranked as number one Integrated EHR, Practice Management, and Revenue Cycle Management Software Vendor in 2014.

Imaginea worked with the client to manage an end-to-end addition of new features including Design, Architecture, Implementation and Automation of QA. They also helped them achieve rapid response to tier 3 product issues, implementing fixes without adversely affecting existing features. Other major contributions included:

**MU 2 (Meaningful Use 2) Certification.** Imaginea helped the client EHR solution achieve Meaningful Use 2014 Stage 2 certification within 3 months, which only 12% of EHR programs had attained. It was a major milestone for the client since:

- MU 2 certification helped health care providers to implement a certified system in order to avoid penalties
- MU2 Certification allows EHR providers to leverage government incentives

Imaginea brought in domain experts who worked with the client to bring their EHR product up-to MU2 requirements which included creating provision for data portability to other systems, implementing ability to exchange and extract patient records in a common manner, implementing secure electronic messaging to communicate with patients, and allowing patients the ability to view online, download, and transmit their health information within 4 business days.

**E&M (Evaluation and Management) Code Calculator.** Imaginea built a one-click / time-saving E&M calculator that provided the appropriate code level based on

provider input. The E&M code captured the level and complexity of care provided to the patient during the visit. E&M codes were then mapped to ICD codes to facilitate easy and accurate billing.

**Multiple Document Upload.** Imaginea integrated multiple document upload capability in the EHR solution which let users upload any image, PDF or word document and insert it into the documents section within the Patient's Chart.

**Patient Notes Functionality.** Imaginea redesigned the Patient Notes functionality by improving the UI experience and also solving the problems related to performance. Notes is a smart template system that focuses on creating the right note with the right content for the given problem and it's findings. The template system only generated notes that contained relevant information.

**QA Automation.** The Client's engineering worked at warp speed with a 30 minute test window during every release, Imaginea helped them automate their QA, drastically reducing error rates.

**ABOUT IMAGINEA.** Imaginea, erstwhile professional services division of Pramati Technologies, provides software engineering services to independent software vendors, Internet companies, and enterprises who are looking for reliable technology partners. Services stretch end to end, from interaction design to development, testing and cloud management. Imaginea is also a solution partner to emerging platforms such as Wavemaker™. For more information on Imaginea, visit [www.imaginea.com](http://www.imaginea.com).