HealthCare Applications Services

Bringing Technology Into Healthcare

OUR HEALTHCARE SERVICES

Full Testing Services

- Development and Implementation of QA and test strategies
- Functional testing
- Database testing
- Performance testing
- Security testing
- Scalability and compliance testing
- Mobile Healthcare, BI/Analytics and Cloud migration
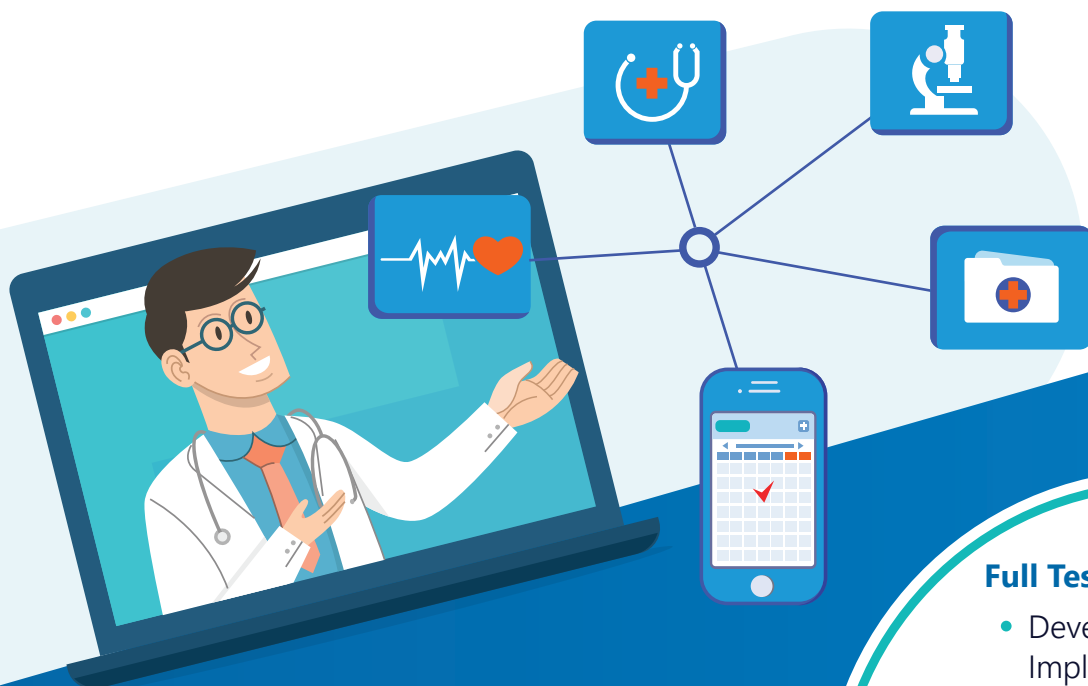
Engineering, Design and Development

- New Features development and Releases management
- Defect resolution and management
- CI/CD enabling in Development process

Test advisory

- Processes
- People
- Tools & Technology

WHY TMA ?

More than 12 years of experience in developing/testing healthcare applications

Deep domain knowledge on healthcare and Pharmacy applications workflows

Easy to scale with large resource pool

Updated and familiar with all ongoing changes and regulatory compliances in healthcare industry

Cost reduction with effective automation strategies,optimized test approach

Faster time to market with high quality

TECHNOLOGIES

Technologies

- Domains: Health care, Aged case, Nursing home care, Medication scripts, Drug Administration System
- Compliance standard: HL7, HIPAA, ICD-10,DICOM
- Key Functions:
  - ▸ Hospital chain management systems
  - ▸ Pharmacy chain managemetn systems
  - ▸ Both financial and nonfinancial applications for healthcare industry
  - ▸ Patient management and outpatient applications
  - ▸ Clinical Decision Support System (CDSS)
  - ▸ Compliance solutions

Frameworks and Solutions

- TMA Automation Framework, Robot Automation Framework, TMA Automation Analysis Tool
- Design Solution:
  - ▸ Languages and Frameworks: Microsoft .Net, Microsoft Azure Cloud, C/C++, Python, SQL service
  - ▸ High Availability Solutions
  - ▸ Cloud/NFV Enabled
- Standardized CI/CD model: Jenkins, Pipelines, Docker, Continuous Testing

Tools

- Testing tools: Atlassian Suite (JIRA, Confluence, Crucible, BitBucket), Jmeter, Selineum, Wireshark
- Security tools: Nessus, OWASP, NMAP, BurpSuit, Accunetix, Kali Linux (Linux penetration testing tools)

Healthcare Application Development and Testing Services

Description

Provide A Medication Management solution to provide Doctors and Pharmacists the ability and communication to take care of patient's based Medication profiles. Then, Nurses can take care patient Dose time

Services

Design, Develop, Cloud Deployment and Testing

Technologies

Microsoft .Net technologies (C#, ASP.NET, MVC 5, Web API, NHibernate, Actofac) Microsoft Azure Cloud, Storage, web roles, SQL service, TFS, Web development (.NET framework), Window service application, Web automation Katalon, Jenkin, Teamcity

Doctor Visits Patient

BESTDoctor used to generate Med Chart of Residents

BEST doctor

Pharmacist dispenses Meds and creates medication profile

BEST pack

BEST dose

BESTdose used to administer meds to patient at bedside

Medication Placed in trolley

Courier takes medication everyday to nursing Home

Medications are boxed and ready for delivery to Nursing Home

Sachet Checking Machine

Sachet Packing Machine