Applications for Reproductive Health Care

PROJECTS TYPE

High availability Internet/Web application

Mobile Application iOS/Android

Chatbot

TECHNOLOGY USED

React/ ReactJS

RESTful API

NLP, Big Data

Python

JavaScript

Django

Selenium Webdriver

PostgreSQL

Redis

Docker

Swift

Kotlin

Realm

PROJECT DELIVERY

Agile Scrum Framework

Client is the oldest non-profit organization that provides reproductive health care in the United States and globally. With their presence of more than 100 years in the market they are a leading source of reproductive health information, education, and advocacy with a focus to bring affordable quality health care to all people.

They work with 650 affiliates health centers across the US, including standalone clinics and satellite offices providing care to over 5 million people every year worldwide.

Its website receives over 15 million visits a month which puts them in the top 1% of most visited websites in the world.

Projects Portfolio

- Spot On - Period tracking and pregnancy control mobile application.
  We are involved in every segment of the project architecture and development. Covering everything from backend, iOS and Android, and Quality Assurance. Additionally, we developed a special back-office application to support this project and enhance security.

- Roo – Chatbot that offers conversation through an anonymous text messaging experience.
  We implemented IBM Watson AI in UI/UX which is available for all modern browsers IE11+, Safari, mobile Safari, FF and Chrome. Improved existing software solution with retained browser compatibility. Ongoing data gathering, analysis and providing AI with user inputs for additional algorithm refinement.

- Websites – Continuing improvement of existing features and implementation of the new ones based on the user needs and business requirements. Reducing technical debt by refactoring source code and migrating to a scalable, flexible architecture to keep up with industry standards.
    - QA Automatization – Creation of a fully automated test suite to ensure the product is functioning properly after each iteration.

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No IT issue is unsolvable.

SaintDi Case Study

A Word From The Client

We're continually looking for innovative and creative ways to deliver sexual and reproductive health care education and services — no matter when or where you are. Our integrated and award-winning digital tools make us a leader in using technology to make health care and reproductive education more accessible. We are proud to offer a variety of services we offer and some of them are:

- Online appointment scheduling
- Period tracker and birth control app
- Direct telehealth app
- The first chatbot of its kind designed to help young people.

Whether it's making something new or reimagining an aspect of our core work, our innovation is driven by listening to the people we serve.

* Collaboration between the Saint Di and The Client started in 2018 and it's still ongoing.

THE CHALLENGE

The waterfall way of software development and a significant amount of technical debt has made this project challenging and exciting at the same time.
Client has a huge user base which can't be distributed due to the value they provide across the nation. Therefore, the release of the new increments and integration with the existing ones has to be carefully planned and delivered with minimum disruption to its users and business.

THE SOLUTION

Transition to Agile way of working and refactoring an old code to bring the existing processes and architecture in line with the industry best practices.
Collecting data via open-source APIs and through an ETL process integrating them into the current systems to configure new services and features.
Streamlining and automatizing data flows and processes to reduce the possibility of human error.

Consulting Services Provided

- JIRA Implementation – Leading process analysis and understanding business requirements to create a bespoke workflow and project setup for six Scrum teams. Implementing integration of JIRA with existing tools such as GitHub, ZenDesk and Slack. As well as onboarding and training all personnel with an emphasis on open collaboration and knowledge sharing.

- Salesforce Refactoring – Analysis and refactoring of old processes and workflows so they better fit ever-changing business needs. Integrating multiple working streams and tools into one centralized and coherent unit with a focus to break down the technology silos between departments and streamlining and automizing information flow.

- Release Management - Business analysis and implementation of the Release process for multiple applications across six Scrum teams. This involves managing, scheduling, planning, and controlling a software development and managing code through different stages and environments.

AREA OF EXPERTISE

Frontend Development
Backend Development
Mobile iOS/Android Development
Software/Solution Architect
Quality Assurance
Project Management
JIRA Consulting
Salesforce Consulting

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