

# Modernizing healthcare-specific software platform

## Industry

Healthcare

## Location

US

## Technologies



AWS



.NET Core



Angular



RxJS



Redux



MySQL



DynamoDB



S3



HIPAA

## CLIENT

The client provides software platforms in the medical sector to enhance patient, payer, and provider interactions. While improving financial performance and the experiences of patients and staff, they automate the communication flow and transform raw data into actionable information.

## CHALLENGE

There are two major business objectives that must be met. Data security was the first step to preserving patient data and information integrity and anonymity. This is because medical services exchange information with insurance companies, authorities, etc. An influential aspect of the project was to create the entire document flow independently, without the use of third-party integrations, with full capability of creating, storing, signing, and fully using the documents so that the software could be used specifically to request medical services.

## SOLUTION

To create a closed software platform, we faced the task of turning its paper billing process into a digital one, modernizing the core of its business metrics.

For it to function properly, we created a cloud-based system with automated workflows and custom development of document flow, which are fully integrated with third-party systems, including Medicare government software.

Further, the software handles communication and management with the Patient, all information, and history viewing on the Payer's side. In other words, once a person applies to a medical institution, they track all the necessary information and make direct requests to both state institutions and insurance companies via API integration. Hospitals and CMSs exchange request and response data electronically through the Electronic Submission of Medical Documentation (esMD) platform.

It is worth emphasizing that despite tens of thousands of data exchanges on an ongoing basis, all information is maximally encrypted. Utilizing RDS, S3, and Cognito, the software was able to remain HIPAA compliant and have more secured access to medical information.

As a result of our cooperation, medical workers can focus on patient care using the software, since the work is fully automated.

## FEATURES:

- 1 Direct communication with medical institutions, state agencies, and insurance companies.
- 2 Fully integrated Patient, Claims and Payer management.
- 3 Support payments, depending on the government/health/insurance system side
- 4 Send/Receive Faxes automatically.