CHLA

Application for patient condition monitoring and medication dosage calculation.

Development service	Business niche	Time spent on the project	Technologies we used
Web Service	Healthcare	2500 Hours	JS, REACT, PYTHON, DJANGO

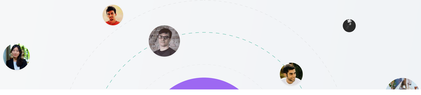
CHALLENGE

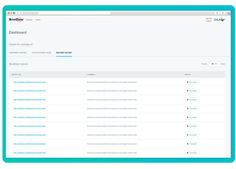
Several medical officers have developed the mathematical algorithm.

An algorithm uses patient injection history as an input to calculate the needed dose for the next injection and ensure that necessary concentration of medicine in blood have been reached.

Client/Target audience

Who is interested in medicine and IT technologies



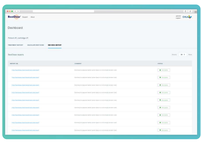


Product overview

Create the deeply thought design of application UI/UX for ease manage of complex patient data.
Protect the patient private info and ensure anonymity since different parts of data were stored in various places.

Important features

Develop the time and memory-efficient implementation of initial algorithm.
Build the flexible patients management and accounting system.



Our development team

Thanks to the efficient and well-coordinated work of a small team, the development of telegram bots saves the client's resources significantly.

1	1	1
Project manager	QA specialist	Designers

2	2
Front-end developers	Back-end developers

Our approach

React.js
Open-source, front end, JavaScript library for building user interfaces or UI components.

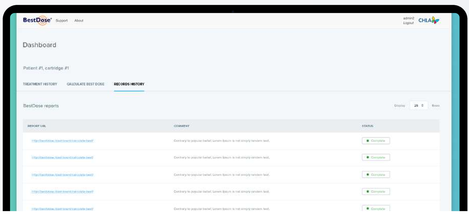
Redux
Redux is an open-source JS library for managing and centralizing the application state.

Testing
We paid special attention to testing the usability of the solution so that its interface has a minimal learning curve.

Django
Interpreted, high-level and general-purpose programming language.

Solution overview

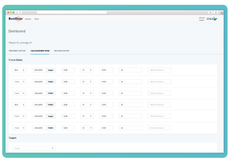
In tight collaboration with our clients, we have created a convenient application that uses previous injection history and detailed patient information to accurately calculate the dosage of future medications.



Value Delivered

The attending doctor can add new patient and prescribe a cure in several clicks.

The data on provided patient treatment is easily reachable 24/7 for authorized users. Thus, the doctor has an immediate access to all necessary information and view the time and amount of injected medicine, dates and results of diagnostic tests etc.



The solution included:

An attending doctor can use the tool for doses foresight to ensure that needed medicine dose is still in patient blood. Based on patient info, such as height, age, weight etc., and injection history the tool offers the smart-treatment plan and gives estimated amount and dates of future medication.

Thanks for watching!

Talk to us and get your project start

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