

Clinical automation software for biomedical labs

Advanced clinical automation module for biomedical labs that optimizes workflows. It can be customized according to clients' specific needs.

Overview _

Client:

Complex biomedical testing (diagnostics and life science)
> 10000 employees
USA

Business case:

+ Automation of biomedical testing

Industry _

+ Biomedical
+ Robotics

Services _

+ Team augmentation

Project type _

+ Desktop application
+ Middleware

Technology _

+ .NET
+ C#
+ Microsoft
+ WCF

Description _

Advanced clinical automation module for biomedical labs that can be tailored according to clients' specific needs.

Challenges _

In a biomedical context, both the narrow error margins and the complex technologies raise epic challenges:

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- + Reach the absolutely best throughput of processed samples available on the market.
- + Design a modular, adaptable and easy to maintain platform that can easily fit each lab's independent requirements.

Solutions _

We met client's high expectations with a series of cross-technology solutions:

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- + A complex system of interfaces that maps the hardware but is loose enough to be adapted to each type of equipment.
- + Performant workflows that make sure that minimum necessary time is spent for each sample inside the system, while checking that each step is done with absolute efficiency.