EDITION

November 2026

iTechnoSol Inc.

PROJECT OVERVIEW

Care planning platform for a UK care home group

Carers record on mobile, nurses review AI-drafted plans and MUST and NEWS2 scores on desktop, and a hospital passport prints in one click.

Healthcare



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CLIENT	INDUSTRY	PLATFORMS
A UK care home group running several homes under more than one company	**Healthcare**	**Web, Mobile**

THE REQUIREMENT

Every resident needs coded assessments, scheduled clinical charts and timely reviews. Each chart and form has its own clinical rules, and nurses must spot problems early. The group wanted software shaped around its own forms rather than a generic care package.

WHAT WE BUILT

We built the platform module by module from the group's own specifications, on React, Node.js, Express.js and MongoDB, with a mobile app for staff on the floor. Modules include a form builder with AI-drafted care plans, clinical charts with encoded scoring rules, a body map with wound, pain and skin charts, a hospital passport and shift handover.

THE OUTCOME

Carers record care on mobile and nurses review it on desktop. Admission switches on the charts and forms each resident needs, and they appear as due actions for the right role. Rule breaches create review tasks, and AI drafts are always reviewed by a nurse.

CLIENT PROJECT

What it does

In short: carers on mobile, nurses on desktop.

Form builder

Admins build coded assessment forms with review schedules, conditions and witness rules, without new development.

Fluid and bowel charts

Fluid targets come from body weight, and nurses are alerted after three days without a bowel movement.

AI behavior summaries

For a chosen date range, AI summarizes behavior and enrichment charts, with a prompt to check the source entries.

Hospital passport

One click builds a PDF from the resident's profile, allergies, wounds, contacts and the uploaded MAR chart.

AI-drafted care plans

AI suggests question wording, helps staff phrase answers and drafts care plan summaries that a nurse reviews and acknowledges.

MUST and NEWS2 scoring

Malnutrition risk and physical observations are scored as entered, with the next review proposed.

Body map

Wounds, pain and skin marks sit on one color-coded map, each with its own assessment and next review date.

Shift handover

A per-wing handover shows only items needing attention and locks once the receiving nurse signs with a PIN.

BUILT WITH

React · Node.js · Express.js · MongoDB · OpenAI API · AWS · Docker · GitHub Actions · Git

PLATFORMS

Web · Mobile

SERVICES

- Custom software development
- Web application development
- Mobile app development
- AI agent development
- Workflow automation

WORKING WITH US

How a project runs

The same four stages for every project, with working software early and the option to stop after any stage.

STAGE 1

Audit

We map the current process and agree on a first release.

STAGE 2

Trial

A working version on your data before the full build.

STAGE 3

Build

Weekly working demos, integrated with your systems.

STAGE 4

Go live

Rollout to one team, then company-wide.

INCLUDED IN EVERY QUOTATION

- Written scope with dated milestones
- Testing before delivery
- Documentation for your team
- Weekly working demo
- Code in your repository from day one
- Free bug fixes in the warranty period after launch

OUR PROMISES

- **NDA before anything**
- **You own all the code**
- **Your first call is with a founder**

Planning something similar?

Send us a few lines about your project. A founder replies within 4 business hours with an indicative cost and timeline, free and with no obligation.

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