EDITION

November 2026

iTechnoSol Inc.

PROJECT OVERVIEW

AI resident engagement audit for a UK care home group

Notes on residents who rarely take part, drafted on the web from de-identified records for staff to review.

Healthcare



AI resident engagement audit for a UK care home group

Notes on residents who rarely take part, drafted on the web from de-identified records for staff to review.

CLIENT

A UK care home group with several homes

INDUSTRY

Healthcare

PLATFORMS

Web

THE REQUIREMENT

Residents who rarely take part in activities are easy to miss. The care team wanted to find them early, act on it, and show how engagement was being tracked. Resident records are sensitive, so the AI could not be allowed to see who anyone is.

WHAT WE BUILT

We built the activities record: interests, attendance, mandatory absence reasons and enrichment entries. On that record we added an AI activities audit that writes notes on residents with low participation and highlights chances to improve engagement. Only redacted, de-identified text goes to the model, and notes are matched back to residents inside the group's platform.

THE OUTCOME

Absence reasons sit in each resident's profile, so every audit note can be traced to records. The wellbeing coordinator and home manager get notes on low-participation residents to review, and resident identities never reach the AI model.

CLIENT PROJECT

What it does

In short: quiet residents noticed early.

Low-participation notes

The AI writes audit notes on residents who rarely join in, with opportunities to improve their engagement.

De-identified before AI

Personal identifiers such as names, NHS numbers and addresses are stripped or swapped for placeholders before the model sees any text.

Matched back in-house

Notes come back keyed to placeholders and are attached to the right resident inside the group's own platform.

Evidence first

Absence reasons are stored in the resident's profile, so every note can be checked against the record.

Staff review

The wellbeing coordinator and home manager read each note and decide what to try.

Interest report

A report lists the residents interested in each activity, to help planning.

Suggestions, not actions

Notes suggest opportunities; staff who know the resident decide what changes in their day.

BUILT WITH

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

PLATFORMS

Web

SERVICES

- AI agent development
- Custom software development
- Web application development

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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