EDITION

November 2026

iTechnoSol Inc.

PROJECT OVERVIEW

Passwordless staff portal and SMS alerts for healthcare staffing

Staff fix their own details from a link in the text on a mobile-first web portal; alerts go out through Twilio with delivery tracked across 3,000+ facilities.

Healthcare



Passwordless staff portal and SMS alerts for healthcare staffing

Staff fix their own details from a link in the text on a mobile-first web portal; alerts go out through Twilio with delivery tracked across 3,000+ facilities.

CLIENT

A US healthcare staffing communications provider, delivered through a technology partner

INDUSTRY

Healthcare

PLATFORMS

Web

THE REQUIREMENT

Health staff received SMS notifications for facilities they no longer worked at and had no easy way to fix their details. Administrators managed more than 3,000 facility locations. Notifications ran through an email marketing tool with limited delivery tracking, and any move had to comply with US messaging rules.

WHAT WE BUILT

Working through a technology partner, we built a mobile-first staff portal and an admin dashboard in React and Node.js on AWS. Each SMS carries a unique login link, and staff sign in with a one-time code. We moved sending to Twilio, registered numbers for A2P 10DLC and handled delivery and opt-outs through webhooks.

THE OUTCOME

Staff fix their own name, number, facility and notification choices from their phone without a password. Administrators manage staff and facilities, see an audit trail and send SMS to chosen groups. Notifications go out through Twilio with delivery, failure and opt-out events tracked.

CLIENT PROJECT

What it does

In short: staff fix their own details from a text.

Login link in every SMS

Each notification carries a unique link that takes the staff member straight to their settings.

Facility search

Staff pick their current facility from a searchable list of more than 3,000 locations.

Audit logs and roles

Every change is logged with time and admin; super admins, regional managers and support staff have different rights.

A2P 10DLC and opt-outs

Numbers registered for application-to-person messaging, with consent and opt-out handling built to TCPA rules.

Passwordless sign-in

Staff enter their phone number and receive a one-time code, with rate limits on requests.

Admin dashboard

Admins search and edit staff, manage facilities, import and export by CSV, and schedule SMS to chosen groups.

Twilio migration

Existing workflows audited, templates rebuilt with login links, and contacts cleaned of duplicates and invalid numbers.

Delivery tracking

Webhooks capture delivery receipts, bounces and opt-outs, and failed sends are retried within carrier limits.

BUILT WITH

React · Node.js · Express.js · MongoDB · Twilio Verify · Twilio Messaging · AWS · GitHub Actions · Git

PLATFORMS

Web

SERVICES

- Web application development
- Legacy modernization
- SaaS and MVP development
- Custom software 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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