

Licensed software at three times the cost. Custom software at a fraction of it.

Scheduling, routing, chemical dosing, inventory — built for one real business.

A Knoxville, TN pool service and building company replaced licensed field-service software with Pool Butler, custom-built for how they actually work — routine service routes and multi-phase construction jobs on the same board. The line item it replaced cost roughly three times as much.

DELIVERED FOR A CLIENT — NOT MULE AI'S OWN PRODUCT

Custom field-service software delivered for a Knoxville, TN pool service and building company. The client is not named here, at their request. This is client work — not a Mule AI pilot and not our own product.



Six stages. One board for a business that runs two kinds of job.

Routine chemical-service routes and multi-phase construction jobs used to need two different mental models. Pool Butler puts both on the same board, the same jobs list, and the same technician columns.

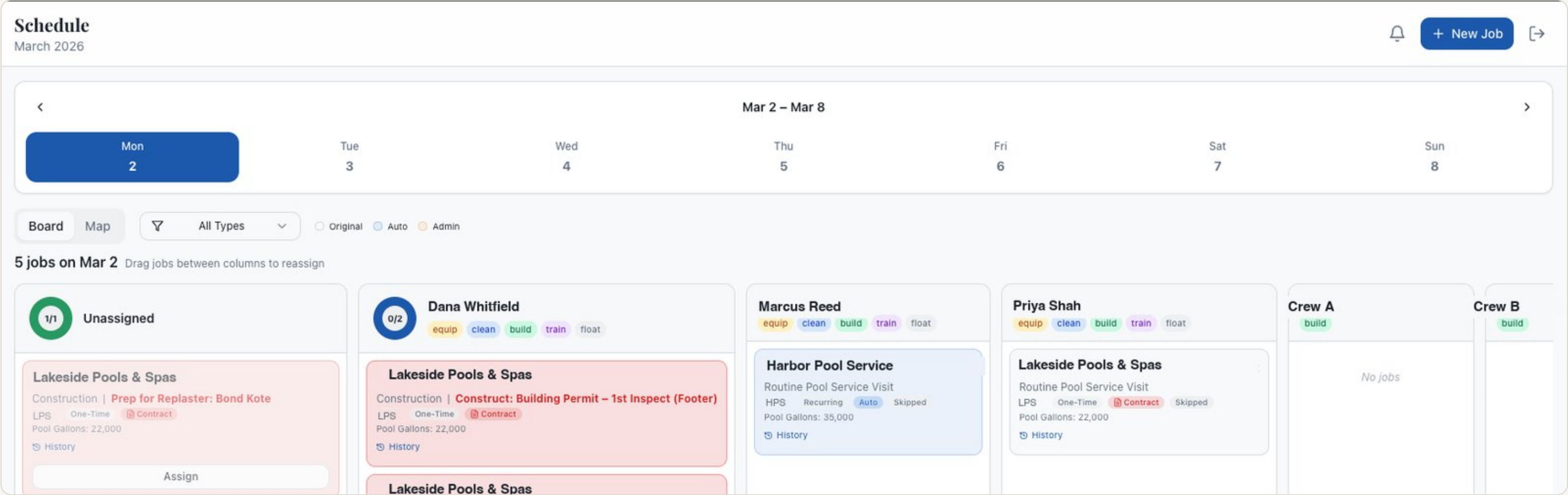
01	02	03	04	05	06
Weekly schedule board	AI scheduling and routing	Job types, side by side	On-site verification	Chemical readings and dosing	Inventory that flags itself
A Board and Map view of the week, with a column per technician and a crew, plus an unassigned queue so nothing waits on a job nobody has picked up. Jobs drag from column to column to reassign.	The system proposes which technician and day a job should land on, instead of a dispatcher rebuilding the week by hand every morning.	Recurring routes, one-time visits and multi-phase contract construction — rebar installation, rough plumbing, permit inspections — all carry their own tags and sit on the same board and the same jobs list, filterable by scheduled, in progress, completed or skipped.	GPS clock-in records a real arrival at the property, not a technician’s word for it. Property photos and equipment nameplates attach straight to the job record.	Pool chemistry readings are logged per visit, with the system recommending a dosage rather than leaving it to a technician’s memory or a paper log.	A 617-part inventory tracks stock automatically, flags what is low — 441 parts, at the point this was written — and supports a bulk update and a daily-pull view for loading the truck each morning.

Why this matters. A generic tool treats every job the same. This one tags a rebar-installation visit and a routine chemical stop differently, then still schedules, routes and tracks them side by side — because that is how the business actually runs its week.

Roughly two-thirds	\$10,000+ /yr	617	441	3	6
LINE-ITEM CUT	ANNUAL SAVINGS	PARTS TRACKED	LOW-STOCK FLAGS	JOB TYPES ON ONE BOARD	PIPELINE STAGES

A drag-to-reassign board, not a spreadsheet.

Board and Map views, a column per technician and per crew, and an unassigned queue that surfaces anything nobody has picked up yet.



“5 jobs on Mar 2. Drag jobs between columns to reassign.”

THE SCHEDULE BOARD, FROM THE REAL PRODUCT

Four capabilities. Four honest levels of automation.

Not everything here is fully automatic, and Pool Butler does not pretend otherwise — a recommendation is not the same as a decision made for you.

Scheduling & routing

The system proposes which technician and day a job should land on.



AI-proposed

GPS check-in

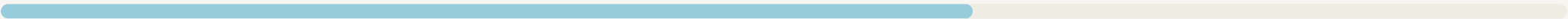
Arrival at the property is verified automatically, not taken on a technician’s word.



Automatic

Chemical dosing

A dosage is recommended from the logged reading; the technician still applies it.



Recommended, not automatic

Low-stock alerts

Parts running low are flagged automatically; a person still places the reorder.



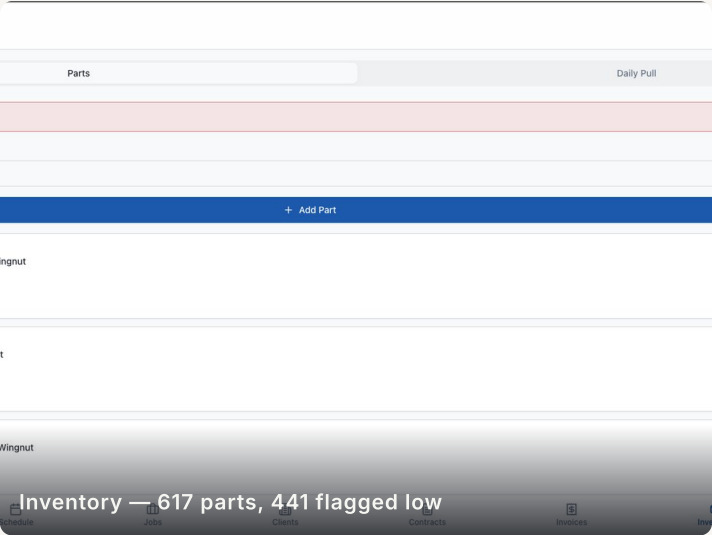
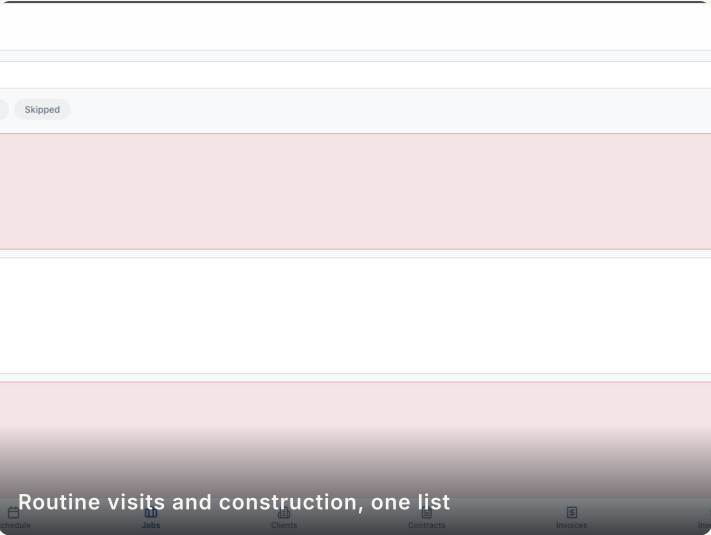
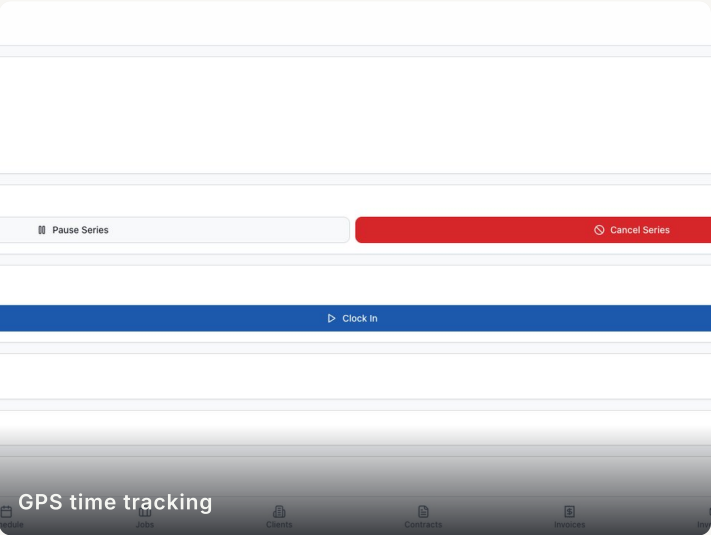
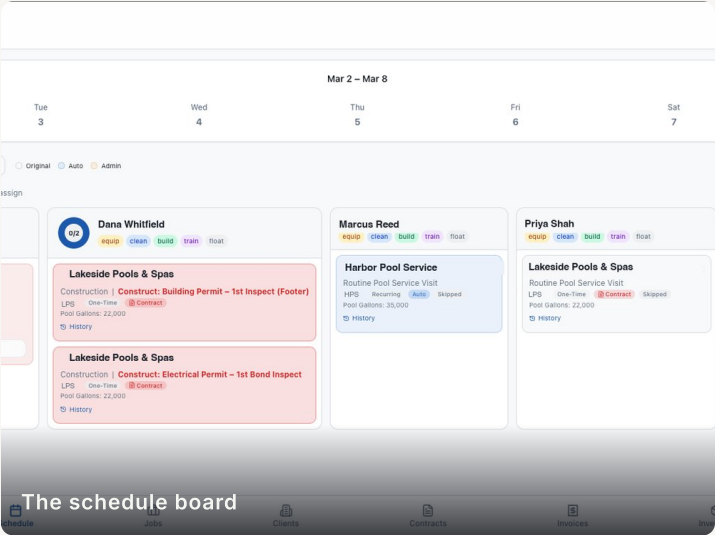
Flagged for a person

Illustrative bar lengths — the four capabilities and their automation level are real; their relative emphasis here is presentational.

Why this matters. Licensed software this client used to pay three times as much for did not do any of these four things for their specific business. Custom did not mean more expensive — it meant built for what actually needed automating.

Four screens. One real client.

Every image here is the live product, captured from the client’s own account — real jobs, a real inventory, a real week on the board.



Every screen on this page is the live product, captured from the client’s own account — not a mockup, and not a demo environment.

What this case study does not claim.

THE ONLY HARD NUMBER HERE IS THE COST

The software’s own operational outcomes — route efficiency, time saved per job, chemical-dosing accuracy — were not instrumented, so none are claimed here. The verified result is the cost replacement: what the client used to pay for licensed software, cut by roughly two-thirds.

- No measured route efficiency.
- No measured time saved per job.
- No measured chemical-dosing accuracy.
- The verified result is the cost replacement, and only that.

“Roughly two-thirds off a line item the client was already paying — worth more than \$10,000 a year.”

THE ONE VERIFIED RESULT IN THIS CASE STUDY

Three times the cost was never required. A board built for two kinds of job was.

Licensed software priced for a generic operation still made this client bend their construction work around a tool built for routine visits. Pool Butler put both kinds of job on the same board, at roughly two-thirds less than what they were paying — a fraction of the cost, for a system built around the business instead of the other way around.

01

Weekly schedule board

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AI scheduling and routing

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Job types, side by side

Recurring routes, one-time visits and multi-phase contract construction — rebar installation, rough plumbing, permit inspections — all carry their own tags and sit on the same board and the same jobs list, filterable by scheduled, in progress, completed or skipped.

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On-site verification

GPS clock-in records a real arrival at the property, not a technician's word for it. Property photos and equipment nameplates attach straight to the job record.

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Chemical readings and dosing

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Inventory that flags itself

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