ROOFTOP CREW

After-School Tracker

Every student accounted for, from last bell to pickup.

Built for Gwinnett County after-school programs — with child data governance built in.

The problem

Unscheduled after-school events leave nobody knowing where a child is

Today

A club runs late, practice moves fields, a bus is delayed — and no one can say where a student is. Parents call the front office. Staff radio each other. The child is fine, but nobody can prove it.

What families expect

During school hours, every student is tracked. After school should be no different: one scan at check-in, one at pickup, and a parent who always knows.

The stakes

These are children, and their records are sensitive. Any system that tracks them must control who sees what, log every view, and keep data only as long as needed — that is built in, not bolted on.

How it works

Three steps, designed for a handheld device

1. Roster

Students are uploaded once with a unique ID — by CSV import or one at a time. Each student gets a printable QR badge.

2. Scan

Staff scan a badge at any pickup spot to check a student in or out. Works offline — scans queue on the device and sync when signal returns, keeping the original time.

3. Locate

Admins see every student's status on a live dashboard and campus map. Parents see their own child's pickup spot, directions, and timeline.

Built for staff on the move

Fast scanning, real places, no signal required

QR scanning

Point the camera at a badge — check-in or check-out in under two seconds. Bulk badge printing for the whole roster.

Campus map

Real pickup locations pinned on the school map, with directions and accessibility notes. Admins can edit pins as spots change.

Offline-first

Dead signal at the field? Scans save on the device with the true timestamp and sync automatically when the device reconnects.

Evening timeline

A live list of who is still on campus, longest-waiting first, with last check-in time and location — so no child is left unaccounted for.

What parents see

Their own children — and nothing else

Self sign-up

Guardians create their own account. When their email matches the guardian email on a student's record, the link is automatic — no admin data entry.

Live status

Check-in status, today's pickup spot with directions and accessibility notes, and a full timeline of every scan with map links.

Alert opt-in

Parents choose email or text alerts per child for check-ins and check-outs. (Sending goes live once the school email domain is connected.)

Admin dashboard & AI assistant

Answers without digging through records

Live dashboard

Any student's status and location at a glance. Staff access approvals, role management, and a full access log — all in one place.

AI ops assistant

Ask plain questions — "who is still on campus?" — and get a concise operational summary. Privacy-protected: the model only ever sees student codes, never names.

Demo mode

A full sample afternoon with 12 made-up students for presentations and training. Demo scans never touch real records, and real settings can't be changed while demo mode is on.

Data governance — built for child data

Designed for district review and FERPA-aligned handling

Least privilege

New accounts get no access until an admin approves them. Parents are matched only by guardian email. No one can grant themselves a role — self-promotion is refused at the database level.

Scoped views

Parents see only their own linked children. Staff and admin roles are separate and admin-granted. Check-in records are add-only — they cannot be edited or deleted through the app.

Verified clean

Independent security scan of the database: no open findings. Every table is protected by row-level rules enforced by the database itself, not just the app.

Guardian rights & AI privacy

Two protections worth calling out

Guardians can only change alert preferences

A parent can toggle email/text alerts for their child — and nothing else. Name, ID, pickup location, and the guardian email on file are locked to staff. This is enforced by a database trigger, so it holds no matter what the app does. A parent cannot reassign their child's record to another account.

The AI never sees a child's name

Before any question goes to the AI model, student names are replaced with codes. The model reasons over codes and codes only; the app maps codes back to names on the staff member's own device. Guardian emails and phone numbers are never sent. Child identities stay inside the system.

Audit trail & data retention

Who saw what, and nothing kept forever

Access log

Every time someone opens a student's page, the view is recorded: who, which student, and when. Admins can review the log in the dashboard — full accountability for every pair of eyes on a child's record.

Automatic retention limits

A nightly job purges old records automatically:

- Check-in/out records — 1 year
- Notifications — 1 year
- AI assistant conversations — 90 days
- Access log — 2 years

Retention periods can be adjusted to match district policy.

Governance at a glance

What the committee can verify

Control	How it works	Where enforced
Access approval	No role until an admin approves the account	Database + app
Parent scope	Own linked children only, matched by guardian email	Database rules
Guardian edits	Alert switches only; all other fields refused	Database trigger
AI privacy	Student codes only — no names, emails, or phones	Server, before sending
Audit	Every student page view logged with viewer and time	Database table
Retention	Nightly automatic purge (1 yr / 90 days / 2 yrs)	Scheduled job
Security scan	Independent scan — zero open findings	Platform scanner

Next steps

What we need from the district

Before go-live

Connect the school email domain and sending service so parent alerts and the evening pickup email can actually send. Until then, notifications are recorded but not delivered.

District review

Confirm the retention periods match district policy, approve the roster data source, and review the data agreement for the AI assistant (codes only, no identifiers).

Pilot

Run a pilot with one after-school program using real badges and the campus map. Demo mode is available for every committee meeting and training session.