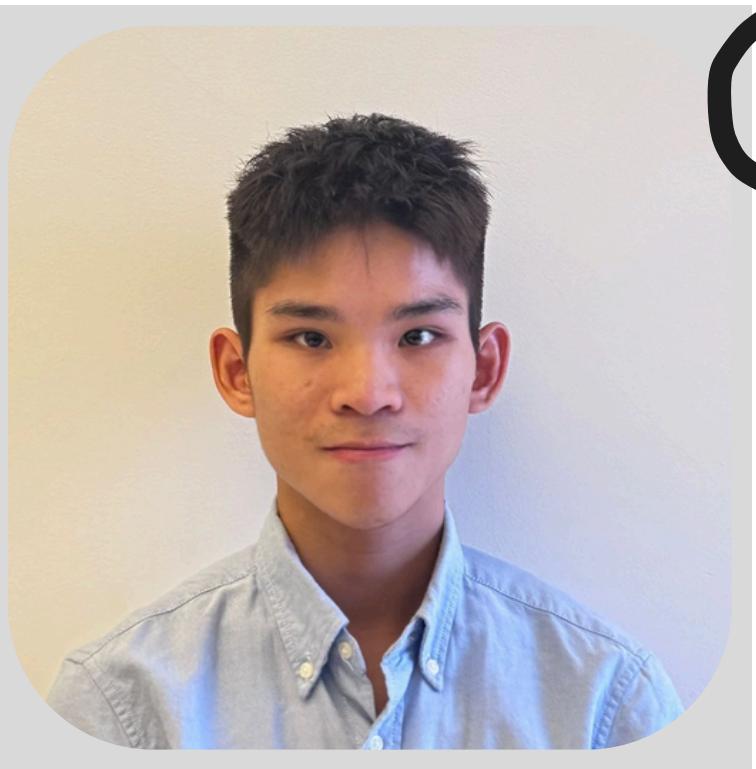


The Rookies





Evin Kor Kar Hei

System & Backend Developer

Bryan Low Zhern Yang

UI/UX & Frontend Developer

SECTION 1: Introduction (5 mins)

Team Introduction

Names, roles, quick skills snapshot (Dev, Design, System, Data)

Problem Statement

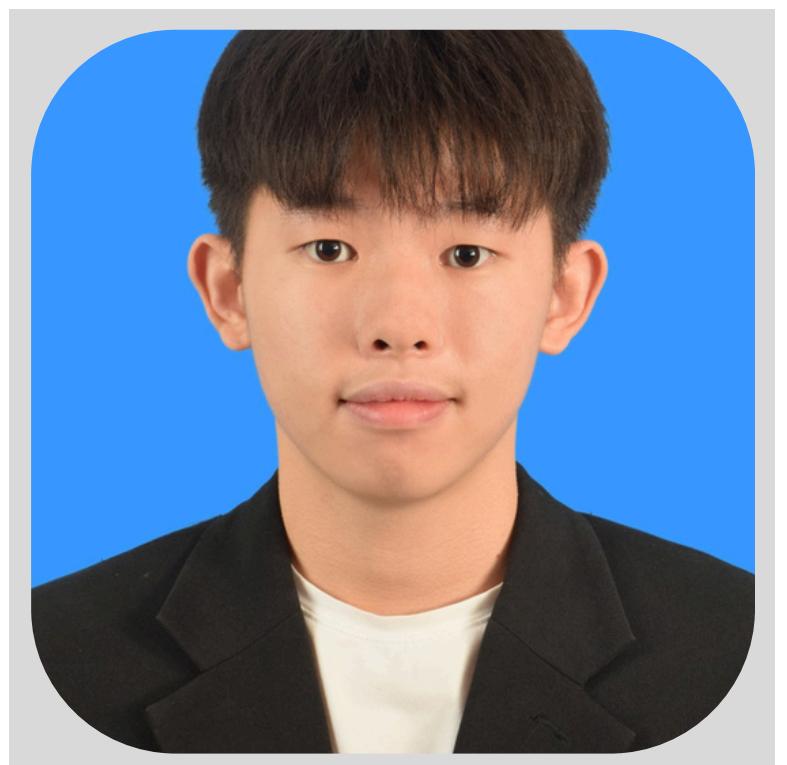
Clearly state the core issue: "How can we enhance employee workflow, time tracking, and reward fairness while maintaining trust and privacy?"

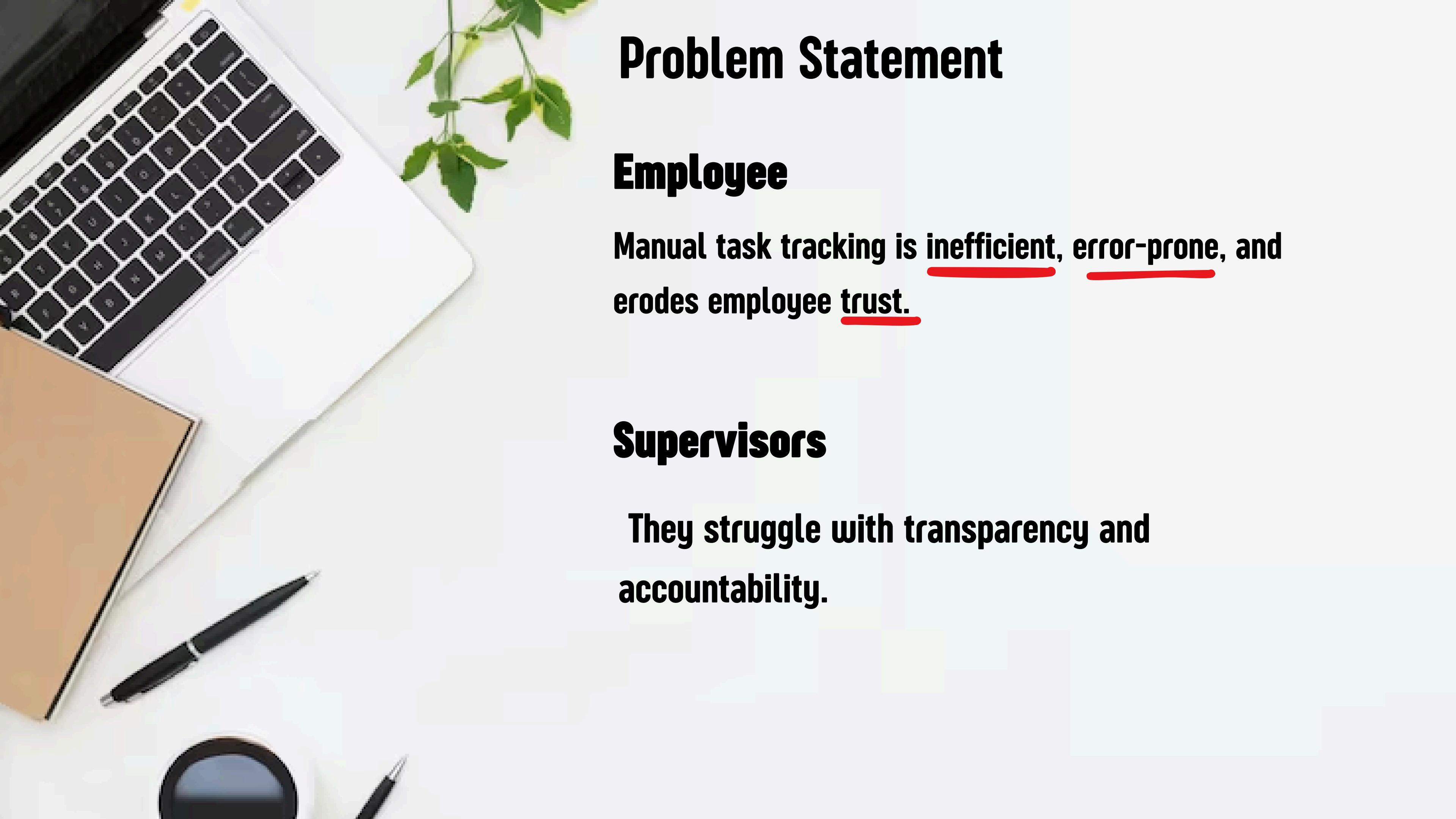
Show pain points (manual logs, unfair evaluation, burnout)

Context & Relevance

Tie to modern hybrid work trends, data integrity, and engagement.

Optional: quote or statistic (e.g., "60% of employees find tracking systems invasive.")





Problem Statement

Employee

Manual task tracking is inefficient, error-prone, and
erodes employee trust.

Supervisors

They struggle with transparency and
accountability.



- “A gamified, privacy-aware employee task management and reward system.”

Key Features Summary

Auto time logs

Points & shop

Supervisor dashboards

Reward governance

Highlight trust, automation, and reward transparency.

SECTION 3: System Architecture & Data (10 mins)

System Overview Diagram

Show backend, database, frontend, and integration points.

Tech Stack

Frameworks used (React, Node.js, Firebase/PostgreSQL, etc.)

Security & privacy approach (JWT sessions, role permissions, encrypted logs)

Database Schema

Simplified ERD: Tasks, TimeLogs, PointsLedger, Requests, Rewards

Data Flow / Lifecycle

Employee starts task → time logs → supervisor approval → points update → reward redemption

Animation or timeline visual.

Scalability & Integration

API-driven, modular, can integrate with HR or payroll systems

Future-ready with microservices or cloud scaling

SECTION 4: Live Demo (15 mins)

(Main highlight – 55% technical execution focus)

13. Demo Overview

Explain flow before starting demo: “We’ll show how an employee starts, logs, requests, and redeems in real-time.”

Demo Part 1: Employee Dashboard

Show login, task board, start/pause/resume tracking, and point updates.

Demo Part 2: Supervisor Dashboard

Show approval flow for extension/transfer, task reassignment, and heatmap.

Demo Part 3: Reward Shop & Redemption

Redeem reward → notification → ledger update.

Demo Part 4: Data Integrity & Privacy Check

Show how overlapping timers auto-pause, no keystroke capture, audit log.

SECTION 5: Technical Deep Dive (7 mins)

Core Algorithms / Logic

Time logging automation

Point calculation & abuse prevention

Auto-approval rules

Security & Privacy

JWT authentication, role-based access, non-invasive tracking

Performance & Reliability

Caching / load handling

Fail-safe for network drops

Error Handling & Edge Cases

Idle detection, collision handling, validation errors

Innovation & Growth

What Makes It Unique?

- “Fairness-first design”
- “Automated transparency over surveillance”
- “Gamified motivation + trust”
- Scalability Roadmap

Add AI productivity insights, HRMS/Slack integration, analytics dashboard

Future Opportunities

SAAS OFFERING, SME LICENSING, OR CORPORATE INTEGRATIONS

MONETIZATION MODEL (PER SEAT, PREMIUM FEATURES)

Summary – Why It Matters

Efficient

Fair

Transparent

That built for the future of work.”

THANK YOU