

CircleWorks

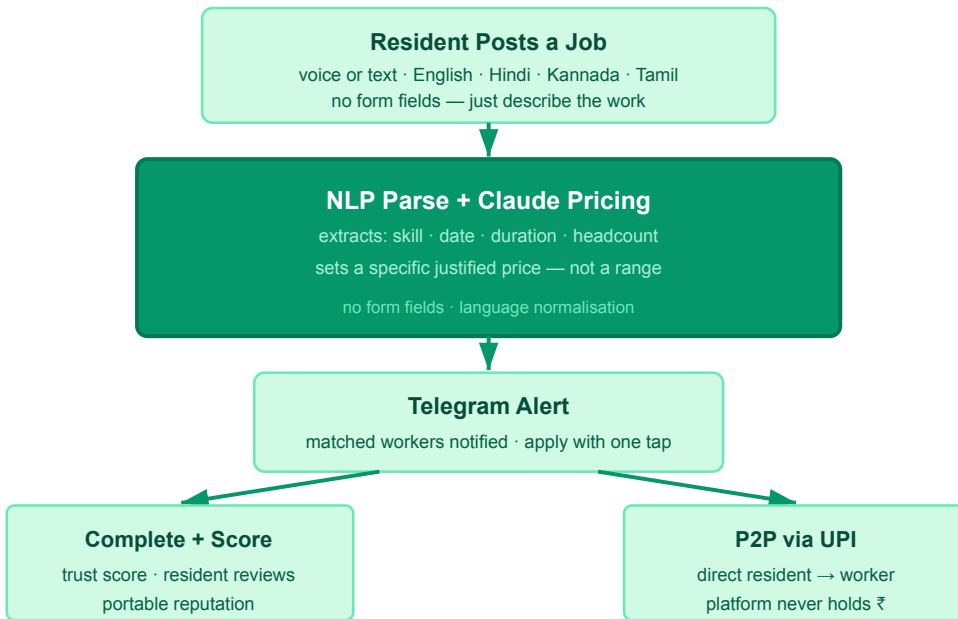
Trust infrastructure for the informal local economy inside residential societies — workers build a portable reputation, residents find reliable help.

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THE PROBLEM

The informal labour market inside residential societies — plumbers, electricians, cleaners — runs entirely on word-of-mouth: no trust signals, no transparent pricing, no accountability structure. Residents cannot find reliable workers; skilled workers cannot build a reputation that travels beyond a single building. The market exists; the infrastructure to make it trustworthy does not.

ARCHITECTURE & DATA FLOW



WHAT I BUILT

- › Residents describe a job in plain English — by typing or by voice, in English, Hindi, Kannada, or Marathi. An AI parser extracts structured fields (skill, date, duration, headcount) without any form or dropdown.
- › An LLM pricing engine (Claude) sets a specific, justified rate from job category, duration, and local market rates — not a range to negotiate from, a concrete number.
- › Matched workers receive a Telegram notification and apply with one tap — no new app required. The platform meets workers where they already are.
- › Trust score accumulates from job completions and resident reviews — verifiable, portable reputation that builds over time.
- › Payments are peer-to-peer via UPI. The platform never handles money. Full field operations documentation: job lifecycle SOPs, dispute resolution, and onboarding guides built with an on-ground partner.

WHAT THIS DEMONSTRATES

Product thinking for a low-tech, voice-first market: 4 languages, Telegram-native, P2P payments, and operational design (SOPs, disputes, field ops) built alongside the code — not as an afterthought.

KEY NUMBERS

4

input
languages

P2P

UPI
payments

NLP

job
parsing

Live

pilot,
Bangalore

TECH STACK

Django 5.1

PostgreSQL

Telegram Bot

Claude API

Railway

Python

Sameer Bhalerao

Senior Analytics & AI
Leader · Luxembourg
11+ years · 9 years at
Amazon (L6)
Built solo · ground ops
with Alok

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