

UrProject – Full Master Notes (Merged)

This is the complete master reference for UrProject.

1. Core Concept

- Two-sided construction marketplace.
- Businesses post projects; workers apply directly.
- Features: job posting, profiles, availability, timesheets, compliance, ratings, finance.

2. Tech Stack

Frontend: React, Vite, Tailwind, Redux, Cypress, Storybook.

Mobile: React Native + Expo, Fastlane, Push Notifications.

Backend: Laravel + Sanctum + JWT, REST & GraphQL APIs.

DB/Storage: MySQL, Redis, AWS S3.

Infra/DevOps: LEMP, Docker, AWS, GitHub Actions, Monitoring.

Security: RSA/AES, PCI DSS, OWASP, AWS Secrets, CSRF/CORS.

Analytics: PostHog, Logs, Intelligent Ads.

3. Dream Team

- Mpilo Makae (Tech Lead / Architect): backend, infra, APIs, integrations.
- Tendani Netshitenzhe (Frontend): Figma → React web UI, routing, state, testing.
- Ropafadzo Chitando (Full Stack/Mobile): React Native apps, Laravel APIs, Redis, S3, analytics.

4. Wireframe Ownership

- Tendani: all web frontend screens (sign in, onboarding, posting, timesheets, admin).
- Ropafadzo: all mobile flows (auth, KYC, profiles, availability, jobs, messaging).
- Mpilo: backend systems (auth, APIs, payments, compliance, notifications, analytics).

5. Phases

Q4 2025 – Foundation: Auth, onboarding, infra setup.

H1 2026 – Core: Profiles, calendars, project posting, timesheets, messaging.

H2 2026 – Scale: Credit scoring, reviews, analytics, subscriptions.

2027 – Growth: Roll-out, APIs, white-label, partners, advanced monitoring.

6. Workflow

GitHub (code), Notion (docs/tasks), Slack (daily comms), Figma (designs), Postman (API testing), Zoom/Meet (sprints).

7. Numbered Beginner Instructions

- Every step strictly numbered.
- Done confirmation: DONE – .
- Developers provide file paths, copy-paste code, commands, expected outputs, tests.

8. No Repeat Rule

- Max 3 attempts per fix/command.
- On 3rd failure: escalate to deep troubleshooting with logs + alternatives.

9. Communication Templates

REQUEST CHANGE, ISSUE REPORT, DONE Confirmation (formats provided).

10. QA Checklist

Check edits, outputs, tests, migrations, PRs.

This PDF is your complete, printable reference for UrProject Master Notes.