

AI-Powered Freelance Platform - Project Document

1. Problem Statement

Freelancing platforms often face challenges like:

- Scam & Fraudulent Activities: Fake job postings, false profiles, dishonest practices.
- Lack of Trust: New users hesitate due to uncertainty.
- Unsecure Payments: Payment disputes due to lack of escrow.
- Poor User Experience: Outdated and clunky interfaces.

2. Proposed Solution

We propose a modern, secure, AI-powered freelance marketplace:

- AI Scam Detection: Flag fake profiles and scam jobs using AI.
- Escrow Payment System: Safe payments via Stripe/Razorpay.
- Smooth UX/UI: Mobile-first design with Tailwind CSS.
- Transparent Review System: Admin dashboard for moderation and disputes.

3. Tech Stack

Frontend:

- Next.js, Tailwind CSS, TypeScript, ShadCN/UI, Socket.io

Backend:

- Node.js, Express/NestJS, PostgreSQL, Prisma, Redis, FastAPI

AI/ML:

- NLP Models (BERT, OpenAI), Isolation Forest, Vision AI

Payment Gateway:

- Stripe, Razorpay, Stripe Connect

DevOps:

- Vercel, Render, Docker, Cloudflare

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4. Implementation Plan

Phase 1: Setup - Project structure, frontend setup (Week 1)

Phase 2: Core Pages - Home, Login, Dashboard (Week 2-3)

Phase 3: Backend API - Auth, CRUD, Messaging (Week 3-4)

Phase 4: Payment System - Integrate Stripe/Razorpay (Week 4-5)

Phase 5: AI Scam Detection - FastAPI ML service integration (Week 6)

Phase 6: Admin Panel - Moderation, reports (Week 7)

Phase 7: Testing & Deployment - Final testing and launch (Week 8)