# Project Design Phase

## Solution Architecture: Freelance Finder

| Date: | 27-06-2025 |
| --- | --- |
| Team ID: | LTVIP2025TMID58018 |
| Project Name: | Freelance Finder |
| Maximum Marks: | 4 Marks |

## Solution Architecture

To deliver a seamless, intelligent, and secure freelancing platform that connects clients with skilled freelancers while ensuring transparency, trust, and smooth operations.

### Key Architecture Goals:

* Smart Job Matching System - AI-powered job suggestion engine that matches freelancers with relevant opportunities.
* Verified User Onboarding - KYC-based authentication for both clients and freelancers to increase trust.
* Milestone-Based Project Management - Contract-based job flows with deliverables and milestone tracking.
* Secure & Escrow-Based Payments - Escrow system with automatic release on client approval.
* Integrated Real-Time Chat - Chat module with file sharing and discussion features.
* Scalable Microservices Architecture - Modular services for better scalability and maintainability.
* Admin Dashboard & Analytics - Central interface to monitor disputes, metrics, and platform health.

### Tech Stack (Example):

| Layer | Technology |
| --- | --- |
| Frontend | React.js, Tailwind CSS |
| Backend | Node.js (Express), Microservices |
| Database | MongoDB |
| Authentication | Firebase Auth + OTP Verification |
| Payments | Stripe / Razorpay with Escrow Logic |
| Messaging | Socket.IO / Firebase Realtime DB |
| Deployment | Docker, Kubernetes, AWS/GCP |

## Visual: Solution Architecture Diagram

The following diagram illustrates the architectural layout of the Freelance Finder platform.

