Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	25 June 2035
Team ID	LTVIP2025TMID59497
Project Name	Freelance Finder
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

Table-1: Components & Technologies:

S. No	Component	Description	Technology
1.	User Interface	Web-based interface for clients and freelancers	HTML, CSS, JavaScript, React.js, Tailwind
2.	Application Logic-1	Job posting, proposal handling, messaging	Node.js, Express.js
3.	Application Logic-2	Payment processing, authentication	Node.js, Stripe API, JWT, bcrypt
4.	Admin Panel	User moderation, reports, dashboard	React.js (Admin UI), Node.js (Backend)
5.	Database	Stores user profiles, jobs, messages, payments	MongoDB, Mongoose ORM

Table-2: Application Characteristics:

S. No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Open, community-driven frameworks for UI and backend	React.js, Node.js, Tailwind CSS, Bootstrap
2.	Security Implementations	3-tier architecture with modular components & REST APIs	Microservices-ready, Express Router
3.	Security	Protect user data and authenticate roles	JWT, HTTPS, bcrypt, CORS
4.	API Integration	Supports 3rd party services for payments & media	Stripe, Cloudinary, SendGrid
5.	Deployment	Cloud-based deployment for flexibility and CI/CD	Docker, GitHub Actions, Vercel, Render