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

Date	15-07-2025
Team ID	6
Project Name	Freelance Finder

Technical Architecture:

The Freelance Finder platform is built on a scalable three-tier architecture that includes a responsive frontend, a backend that manages business logic and workflows, and a secure data layer. It delivers high performance and strong security, while supporting seamless integration with third-party APIs like Stripe for effortless payment processing.Additionally, the platform is engineered for modularity, making it easy to extend functionality as business needs evolve.

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Responsive web interface enabling seamless interaction for clients and freelancers	HTML, CSS, JavaScript / React.js
2.	Application Logic-1	Handles job postings, applications, user dashboards, and real-time messaging	Node.js, Express.js
3.	Application Logic-2	Manages admin functions including job tracking, platform analytics, and notification services	React.js, Node.js
4.	Database	Securely stores and retrieves user profiles, job listings,	MongoDB

		applications, and communication data	

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
5.	Open-Source Frameworks	Utilizes modern frontend frameworks for responsive design and rapid development	React.js, Node.js, Bootstrap, Tailwind CSS
6.	Scalable Architecture	Employs a robust 3-tier architecture using RESTful APIs, ensuring modularity and scalability	SOA (Service-Oriented Architecture)

References:

React.js Documentation

Node js Best Practice

JSON Web Server Referance

https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d