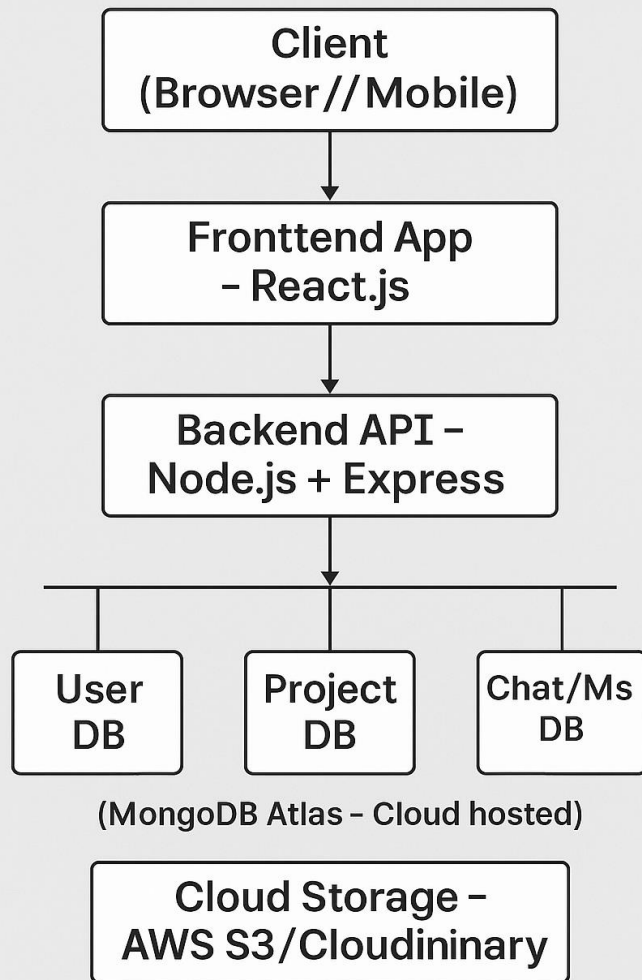


**Project Design Phase-II**  
**Technology Stack (Architecture & Stack)**

Date	28 June 2025
Team ID	LTVIP2025TMID55291
Project Name	<b>FreelanceFinder: Discovering Opportunities, Unlocking Potential</b>
Maximum Marks	4 Marks

**Technical Architecture:**



S.No	Component	Description	Technology
1.	User Interface	Web UI for clients and freelancers	HTML, CSS, React.js, Bootstrap, Material UI
2.	Application Logic-1	Business logic for user actions, project posting, proposals	Node.js, Express.js
3.	Application Logic-2	Chat handling, rating system, proposal matching	Socket.io, Node.js
4.	Database	User, Project, Application, Chat collections	MongoDB
5.	Cloud Database	Cloud storage for scalability and redundancy	MongoDB Atlas
6.	File Storage	Uploading resumes, portfolios, project files	Cloudinary / AWS S3 / Local storage
7.	External API-1	Authentication (Gmail, LinkedIn)	I Google OAuth API, LinkedIn AP
8.	External API-2	Optional: Government ID verification (e.g., Aadhaar)	Aadhaar Authentication API (if used)
9.	Infrastructure (Server / Cloud)	App deployment and management	Local Dev: Node.js, Cloud: Vercel (Frontend), Render (Backend) / AWS / Railway.app

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Backend & frontend development frameworks	React.js, Node.js, Express.js, Mongoose
2.	Security Implementations	Data protection, secure auth, access control	JWT, Bcrypt, HTTPS, CORS, OWASP guidelines
3.	Scalable Architecture	Decoupled front-end and back-end, supports scaling	3-tier Architecture, Microservices-ready
4.	Availability	Cloud hosting, uptime, fallback	MongoDB Atlas, Load Balancers, Auto-scaling Groups