**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

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| --- | --- |
| 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** |
|  | User Interface | |  | | --- | |  |  |  | | --- | | Web-based interface for clients and freelancers | | HTML, CSS, JavaScript, React.js, Tailwind |
|  | Application Logic-1 | Job posting, proposal handling, messaging | Node.js, Express.js |
|  | Application Logic-2 | Payment processing, authentication | Node.js, Stripe API, JWT, bcrypt |
|  | |  | | --- | |  |  |  | | --- | | Admin Panel | | User moderation, reports, dashboard | React.js (Admin UI), Node.js (Backend) |
|  | Database | |  | | --- | |  |  |  | | --- | | Stores user profiles, jobs, messages, payments | | MongoDB, Mongoose ORM |

**Table-2: Application Characteristics:**

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