**Project Design Phase**

**Solution Architecture**

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| Date | 26.06.2025 |
| Team ID | SWUID20240036329 |
| Project Name | Ora Social Media App |
| Maximum Marks | 4 Marks |

**Solution Architecture:**

The solution architecture for ORA ensures a clean, scalable, and secure platform designed for users to express themselves freely and engage meaningfully with others. Built using the **MERN stack** (MongoDB, Express.js, React.js, Node.js), the architecture focuses on high responsiveness, secure user authentication, cloud-based media storage, and smooth interaction workflows. Seamless job posting and freelancer application

**Key Architectural Features:**

* **Scalable User Authentication** using JWT and bcrypt for secure login and session management
* **Cloud-based Media Upload** using Cloudinary to store and deliver images efficiently
* **Feed System** that displays all user posts in reverse chronological order
* **Like, Save & Comment System** for seamless interaction and engagement
* **User Profile & Post Management** including edit/delete capabilities
* **MongoDB Atlas Integration** for scalable cloud database access
* **Deployed with services like Render (Backend) and Vercel/Netlify (Frontend)**
* **Mobile-responsive UI** designed using Tailwind CSS

**Example - Solution Architecture Diagram:**

