**🖥️ Backend Architecture (Node.js + Express.js)**

**🔧 Tech Stack**

* **Node.js** – JavaScript runtime for server-side execution
* **Express.js** – Web framework for routing and middleware
* **MongoDB** – NoSQL database for storing users, properties, bookings
* **Mongoose** – ORM for MongoDB (schema-based data modeling)
* **JWT (JSON Web Tokens)** – For authentication and session management
* **bcrypt** – For password hashing
* **Moment.js** – For handling and formatting dates

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**🔁 Main Functional Modules**

| **Module** | **Description** |
| --- | --- |
| **Auth** | User registration, login, role-based access |
| **User** | Stores user profiles (renter, owner, admin) |
| **Property** | CRUD operations for rental listings |
| **Booking** | Create and manage property booking requests |
| **Admin** | Approve owners, monitor activities |
| **Messaging** | (Optional) In-app communication between users |