

# # Freelancing application using MERN

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## ## 1. Introduction

This document outlines the structure and functionalities of a **Freelancing webpage**, designed to facilitate interactions between freelancers and clients. The platform connects individuals and businesses with skilled freelancers, enabling project collaboration, payment management, and performance tracking.

The app provides distinct features for three primary user roles: **Clients**, **Freelancers**, and **Admins**.

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## ## 2. Key Features

### ### Client Features

Clients use the platform to find, hire, and manage freelancers for various projects. Their key features include:

1. **\*\*Sign-Up/Login:\*\***

- Clients can sign up using email, social media accounts, or single sign-on (SSO) options.

2. **\*\*Create and Post Job Listings:\*\***

- Clients can create detailed job listings, including the project description, budget, and timeline.
- Option to attach documents, images, or other media to the job posting.

3. **\*\*Search and Filter Freelancers:\*\***

- Clients can search for freelancers based on specific skills, location, hourly rates, and ratings.
- Filters to help narrow down search results.

4. **\*\*Review and Hire Freelancers:\*\***

- Clients can view freelancer profiles, which include their portfolios, previous reviews, and ratings.
- Option to invite specific freelancers to apply for job postings.

5. **\*\*Communication and Collaboration:\*\***

- In-app messaging system to discuss job details with freelancers.
- File sharing for collaboration.

6. **\*\*Project Management:\*\***

- Track the status of the job.
- Approve milestones or tasks completed by the freelancer.

7. **\*\*Payment System:\*\***

- Integrated secure payment system for hourly or fixed-price jobs.
- Option to release payments in installments or based on completed milestones.

#### 8. **\*\*Rating and Review:\*\***

- After the project is completed, clients can rate freelancers based on quality, communication, and adherence to deadlines.
- Option to leave detailed feedback on freelancers' performance.

#### 9. **\*\*Dispute Resolution:\*\***

- Option to file a dispute if the client feels the freelancer has not met expectations.
- Involvement of admin to mediate and resolve conflicts.

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### ### Freelancer Features

Freelancers use the platform to find work, interact with clients, and manage their earnings. Key features include:

#### 1. **\*\*Sign-Up/Login:\*\***

- Freelancers can register with email or social media accounts.

#### 2. **\*\*Create a Profile:\*\***

- Freelancers can create a professional profile, including their skills, experience, portfolio, and hourly rate.
- Profile verification to build trust with clients.

#### 3. **\*\*Search for Job Listings:\*\***

- Freelancers can browse job listings that match their skills and interests.
- Option to receive notifications about relevant new postings.

#### 4. **\*\*Job Applications:\*\***

- Freelancers can submit proposals for job postings, highlighting their expertise and previous work.

- Option to set a custom rate or offer a discount for specific clients.

#### 5. **\*\*Communication Tools:\*\***

- In-app messaging to discuss project details with clients.
- Video calls and screen sharing for meetings.

#### 6. **\*\*Time Tracking:\*\***

- Freelancers working on hourly projects can track their time directly through the app.
- Automatic generation of invoices based on tracked hours.

#### 7. **\*\*Milestone Management:\*\***

- Ability to manage project milestones (for fixed-price projects).
- Track progress and receive payments upon completion of each milestone.

#### 8. **\*\*Earnings and Payments:\*\***

- Freelancers can view their earnings, payment history, and upcoming payouts.
- Integrated payment system for quick and secure withdrawals.

#### 9. **\*\*Ratings and Reviews:\*\***

- Freelancers can review clients after project completion.
- Ability to respond to feedback publicly.

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### ### Admin Features

Admins are responsible for managing the overall platform, user activities, and ensuring a smooth user experience. Their key features include:

#### 1. **\*\*User Management:\*\***

- Ability to manage client, freelancer, and admin accounts (add, suspend, or delete users).
- Approve freelancer profiles and job listings.

## 2. **\*\*Content Moderation:\*\***

- Monitor and moderate job listings, reviews, and profiles to ensure compliance with platform policies.
- Flag and remove inappropriate content.

## 3. **\*\*Dispute Resolution:\*\***

- Act as a mediator in cases of disputes between clients and freelancers.
- Make final decisions on payment releases, refunds, or penalties.

## 4. **\*\*Platform Analytics:\*\***

- View statistics such as active users, job postings, successful projects, revenue, etc.
- Generate reports on platform performance and user engagement.

## 5. **\*\*Payment Management:\*\***

- Oversee the payment processing system to ensure timely payouts to freelancers and payment collection from clients.
- Manage disputes or issues related to payments.

## 6. **\*\*Notifications and Alerts:\*\***

- Send notifications about important platform updates, policy changes, and security alerts.
- Configure system alerts for client and freelancer activities.

## 7. **\*\*Security Monitoring:\*\***

- Monitor system security to detect and respond to fraudulent activities or malicious behavior.
- Enforce multi-factor authentication (MFA) for added user security.

## 8. **\*\*Platform Configuration:\*\***

- Customize platform settings, such as commission rates, subscription plans, and payment methods.
- Modify the platform's rules, policies, and guidelines.

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### ## 3. User Roles

#### ### Client

- **Responsibilities:** Post job listings, hire freelancers, manage projects, and process payments.
- **Permissions:** View freelancer profiles, message freelancers, track progress, and release payments.

#### ### Freelancer

- **Responsibilities:** Apply for jobs, manage projects, track work hours, and submit invoices.
- **Permissions:** View job listings, communicate with clients, and manage payment requests.

#### ### Admin

- **Responsibilities:** Oversee the platform, manage users, moderate content, resolve disputes, and manage payments.
- **Permissions:** Full access to the system to manage users, content, and monitor security.

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### ## 4. System Architecture

The freelancing app typically follows a **multi-tier architecture**:

#### 1. **Frontend (User Interface):**

- **Technologies:** React.js, Angular, or Vue.js for dynamic and responsive user interfaces.

- **Features:** User authentication, dashboards, messaging system, job listing, and profile management.

## 2. **Backend (Server-side Logic):**

- **Technologies:** Node.js, Django, Ruby on Rails, or Laravel for server-side operations.
- **Features:** Handles user requests, processes payments, and manages job postings and freelancer applications.
- **Database:** PostgreSQL, MongoDB, or MySQL for data storage.

## 3. **Payment Gateway Integration:**

- **Technologies:** Stripe, PayPal, or other third-party services for handling secure payments.

## 4. **Cloud Storage:**

- **Services:** AWS S3, Google Cloud Storage for storing documents, images, and other media files.

## 5. **Real-time Communication:**

- **Technologies:** WebSockets, Firebase, or Socket.io for real-time messaging and notifications.

## 6. **Security Layer:**

- **Technologies:** SSL/TLS for encrypted data transmission, OAuth 2.0 for authentication, and Firebase or JWT for authorization.

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## ## 5. Security Features

### 1. **User Authentication:**

- Multi-Factor Authentication (MFA) for users during login.
- Password hashing using bcrypt or Argon2.

## 2. **Data Encryption:**

- Secure Socket Layer (SSL) encryption for communication between client and server.
- Data encryption at rest for sensitive user information (e.g., financial details).

## 3. **Role-Based Access Control (RBAC):**

- Different levels of access and permissions for clients, freelancers, and admins.
- Secure handling of user roles and privileges.

## 4. **Fraud Prevention:**

- AI-powered detection for fraudulent activities (e.g., fake profiles or transactions).
- Payment fraud detection tools to prevent chargebacks or unauthorized transactions.

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## ## 6. API Documentation (Optional)

### **Endpoints**

#### 1. **POST /users/register**

- **Description:** Registers a new user (client or freelancer).
- **Parameters:** `name`, `email`, `password`, `role`
- **Response:** Success or error message.

#### 2. **GET /jobs**

- **Description:** Get a list of available job listings.
- **Parameters:** `search`, `category`, `location`, etc.
- **Response:** JSON object with list of jobs.

#### 3. **POST /jobs/{id}/apply**



- **Description:** Apply to a job posting. - **Parameters:**

`proposal\_message`, `bid\_amount`

- **Response:** Success or error message.

#### 4. **POST /payments/submit**

- **Description:** Submit a payment request for a completed milestone.

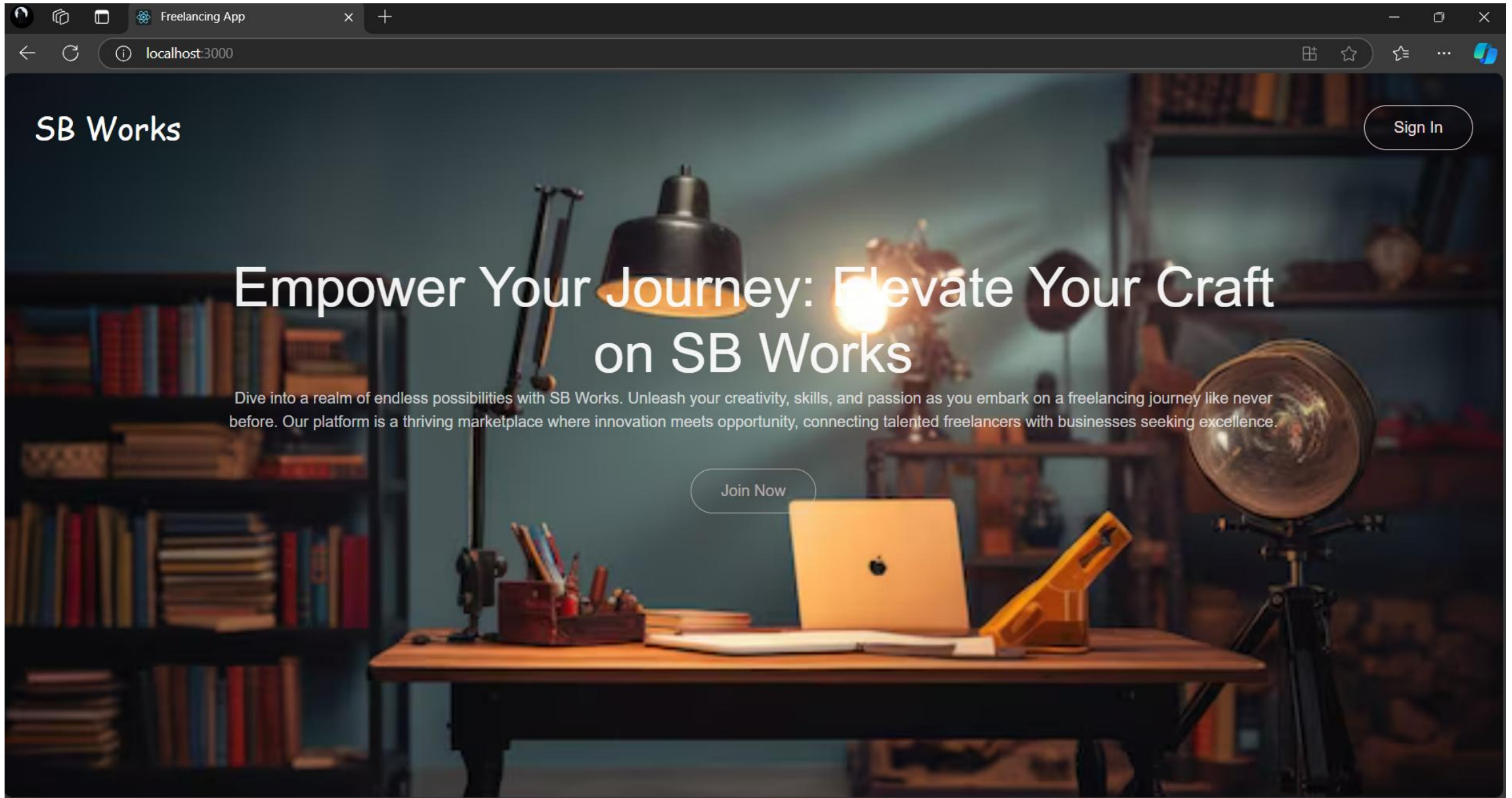
- **Parameters:** `freelancer\_id`, `job\_id`, `amount`

- **Response:** Payment status.

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# FREELANCING

APPLICATION USING MERN



## Login

Email address  
mamo90@gmail.com

Password  
....

Sign in

Not registered? [Register](#)

Power & Battery

Energy saver is on

Current projects

0

[View projects](#)

Completed projects

2

[View projects](#)

Applications

2

[View Applications](#)

Funds

Available: ₹ 45000

### My Skills

[video editing](#)

### Description

i am good in Adobe Premiere Pro, Final Cut Pro, or DaVinci Resolve.

[Update](#)

## Filters

### Skills

- ☐ Video Editing Software: Proficiency with video editing software such as Adobe Premiere Pro
- ☐ Final Cut Pro
- ☐ or DaVinci Resolve.
- ☐ Proficiency in programming languages such as Python
- ☐ R
- ☐ or SQL for data manipulation
- ☐ modeling
- ☐ and visualization. Knowledge of relevant libraries (e.g.
- ☐ Pandas
- ☐ NumPy
- ☐ Scikit-learn
- ☐ TensorFlow
- ☐ Keras).
- ☐ Strong Programming Knowledge: Proficiency in one or more programming languages (e.g.

## All projects

### Video Editor

Mon Nov 11 2024 12:23:08

Budget ₹ 15000

The Video Editor is responsible for editing raw video footage into polished final products that meet project requirements and engage the audience. This role involves working closely with directors, producers, and other team members to understand project goals, develop video content, and deliver high-quality videos for various platforms, including film, television, online content, and social media.

Video Editing Software: Proficiency with video editing software such as Adobe Premiere Pro

Final Cut Pro

or DaVinci Resolve.

1 bids ₹ 15000 (avg bid)

### Data Scientist Role

Mon Nov 11 2024 12:20:22

Budget ₹ 30000

The Data Scientist is responsible for analyzing large datasets to extract meaningful insights, build predictive models, and inform business decision-making. This role requires expertise in statistical analysis, machine learning, data processing, and data visualization. Data Scientists work closely with business units to understand their needs and provide actionable data-driven solutions.

Proficiency in programming languages such as Python

R

or SQL for data manipulation

modeling

and visualization. Knowledge of relevant libraries (e.g.

Pandas

NumPy

Scikit-learn

TensorFlow

Keras).

# My projects

Choose project status

## Video Editor

Mon Nov 11 2024 12:23:08 GMT+0530 (India Standard Time)

Budget - ₹ 15000

The Video Editor is responsible for editing raw video footage into polished final products that meet project requirements and engage the audience. This role involves working closely with directors, producers, and other team members to understand project goals, develop video content, and deliver high-quality videos for various platforms, including film, television, online content, and social media.

Status - Completed

## Data Scientist Role

Mon Nov 11 2024 12:20:22 GMT+0530 (India Standard Time)

Budget - ₹ 30000

The Data Scientist is responsible for analyzing large datasets to extract meaningful insights, build predictive models, and inform business decision-making. This role requires expertise in statistical analysis, machine learning, data processing, and data visualization. Data Scientists work closely with business units to understand their needs and provide actionable data-driven solutions.

Status - Completed

## Login

Email address  
ponni234@gmail.com

Password  
.....



Sign in

Not registered? [Register](#)



Freelancing App

localhost:3000/new-project

SB works

Dashboard

New Project

Applications

Logout

Post new project

Project title

Developer role

Description

The Software Developer is responsible for designing, developing, testing, and maintaining software applications. This role requires strong programming skills, problem-solving abilities, and a collaborative mindset to work with cross-functional teams to create high-quality software solutions. Developers can work in various domains, including web, mobile, backend, and full-stack development, depending on the project needs.

Budget (in ₹)

20000

Required skills (seperate each with ,)

HTML, CSS, JavaScript (ES6+), TypeScript, frameworks like React, Angular, or Vue.js.

Submit

# My projects

Choose project status

## Developer Role

Mon Nov 11 2024 12:16:35

Budget - ₹ 20000

The Software Developer is responsible for designing, developing, testing, and maintaining software applications. This role requires strong programming skills, problem-solving abilities, and a collaborative mindset to work with cross-functional teams to create high-quality software solutions. Developers can work in various domains, including web, mobile, backend, and full-stack development, depending on the project needs.

Status - Available

Filters

Skills

- ☐ Video Editing Software: Proficiency with video editing software such as Adobe Premiere Pro
- ☐ Final Cut Pro
- ☐ or DaVinci Resolve.
- ☐ Proficiency in programming languages such as Python
- ☐ R
- ☐ or SQL for data manipulation
- ☐ modeling
- ☐ and visualization. Knowledge of relevant libraries (e.g.
- ☐ Pandas
- ☐ NumPy
- ☐ Scikit-learn
- ☐ TensorFlow
- ☐ Keras).
- ☐ Strong Programming Knowledge: Proficiency in one or more programming languages (e.g.

Developer Role

Mon Nov 11 2024 12:16:35

Budget ₹ 20000

The Software Developer is responsible for designing, developing, testing, and maintaining software applications. This role requires strong programming skills, problem-solving abilities, and a collaborative mindset to work with cross-functional teams to create high-quality software solutions. Developers can work in various domains, including web, mobile, backend, and full-stack development, depending on the project needs.

Strong Programming Knowledge: Proficiency in one or more programming languages (e.g.

Java

Python

C#

JavaScript

Ruby

PHP

Go

Swift

Kotlin).

0 bids ₹ 0 (avg bid)

AUTOMATION TESTER (Test Automation Engineer)

Mon Nov 11 2024 11:51:34

Budget ₹ 15000

Job Title: Test Automation Engineer Department: QA / Quality Assurance Location: [Bangalore] Reports to: QA Lead / Test Manager

Strong programming knowledge (e.g.

Java

Python

JavaScript

C#).

0 bids ₹ 0 (avg bid)

kanguva

Mon Nov 11 2024 10:46:20

Budget ₹ 2000

Freelancing App

localhost:3000/project/6731a84b1b5491d1475d09dc

SB works

DashboardAll ProjectsMy ProjectsApplicationsLogout

## Developer Role

The Software Developer is responsible for designing, developing, testing, and maintaining software applications. This role requires strong programming skills, problem-solving abilities, and a collaborative mindset to work with cross-functional teams to create high-quality software solutions. Developers can work in various domains, including web, mobile, backend, and full-stack development, depending on the project needs.

### Required skills

Strong Programming Knowledge: Proficiency in one or more programming languages (e.g.

Java

Python

C#

JavaScript

Ruby

PHP

Go

Swift

Kotlin).

### Budget

₹ 20000

#### Send proposal

Budget  
25000

Estimated time (days)  
30

Describe your proposal

Communication: Ability to articulate ideas and technical concepts clearly to both technical and non-technical stakeholders.  
Teamwork: Collaborative work in teams, often with designers, product managers, and QA.  
Problem-solving: Strong analytical skills to identify issues and devise solutions.  
Adaptability: Ability to learn new tools, languages, or paradigms quickly.  
Time Management: Ability to prioritize tasks, manage workloads, and meet deadlines.

Post Bid

### Chat with the client

Chat will be enabled if the project is assigned to you!!

Freelancing App

localhost:3000/project-applications

SB works

DashboardNew ProjectApplicationsLogout

Applications

All Projects

Developer Role

The Software Developer is responsible for designing, developing, testing, and maintaining software applications. This role requires strong programming skills, problem-solving abilities, and a collaborative mindset to work with cross-functional teams to create high-quality software solutions. Developers can work in various domains, including web, mobile, backend, and full-stack development, depending on the project needs.

Skills

Strong Programming Knowledge:  
Proficiency in one or more programming languages (e.g.

JavaPythonC#JavaScriptRubyPHPGoSwiftKotlin).

Budget - ₹ 20000

Proposal

Communication: Ability to articulate ideas and technical concepts clearly to both technical and non-technical stakeholders. Teamwork: Collaborative work in teams, often with designers, product managers, and QA. Problem-solving: Strong analytical skills to identify issues and devise solutions. Adaptability: Ability to learn new tools, languages, or paradigms quickly. Time Management: Ability to prioritize tasks, manage workloads, and meet deadlines.

Skills

video editing

Proposed Budget - ₹ 25000

ApproveDecline

## Applications

localhost:3000 says

Application approved

OK

## Developer Role

The Software Developer is responsible for designing, developing, testing, and maintaining software applications. This role requires strong programming skills, problem-solving abilities, and a collaborative mindset to work with cross-functional teams to create high-quality software solutions. Developers can work in various domains, including web, mobile, backend, and full-stack development, depending on the project needs.

## Skills

Strong Programming Knowledge:  
Proficiency in one or more  
programming languages (e.g.,

Java

## Python

C#

## JavaScript

## Ruby

PHP

Go

Swift

(Kotlin).

Budget - ₹ 20000

## Proposal

Communication: Ability to articulate ideas and technical concepts clearly to both technical and non-technical stakeholders. Teamwork: Collaborative work in teams, often with designers, product managers, and QA. Problem-solving: Strong analytical skills to identify issues and devise solutions. Adaptability: Ability to learn new tools, languages, or paradigms quickly. Time Management: Ability to prioritize tasks, manage workloads, and meet deadlines.

## Skills

( video editing

Proposed Budget - ₹ 25000

Approve

Decline

Freelancing App

localhost:3000/project/6731a84b1b5491d1475d09dc

teams to create high-quality software solutions. Developers can work in various domains, including web, mobile, backend, and full-stack development, depending on the project needs.

Required skills

Strong Programming Knowledge:  
Proficiency in one or more programming languages (e.g.,

Java

Python

C#

JavaScript

Ruby

PHP

Go

Swift

Kotlin).

Budget

₹ 25000

Submit the project

Project link

Manual link

Describe your work

Submit project

Enter something...

Send

Freelancing App

localhost:3000/project/6731a84b1b5491d1475d09dc

teams to create high-quality software solutions. Developers can work in v  
and full-stack development, depending on the project needs.

Required skills

Strong Programming Knowledge:  
Proficiency in one or more programming  
languages (e.g.

Java

Python

C#

JavaS

Budget

₹ 25000

Submit the project

Project link

https://youtube.com/shorts/z17Av8wbn8Q?si=ymMuf0FQhnl9yZwD

Manual link

https://youtube.com/shorts/z17Av8wbn8Q?si=ymMuf0FQhnl9yZwD

Describe your work

i have completed my work. after see my work give me a feedback

Submit project

localhost:3000 says  
submission successful!!  
OK

Enter something...

Send



## Developer Role

The Software Developer is responsible for designing, developing, testing, and maintaining software applications. This role requires strong programming skills, problem-solving abilities, and a collaborative mindset to work with cross-functional teams to create high-quality software solutions. Developers can work in various domains, including web, mobile, backend, and full-stack development, depending on the project needs.

### Required skills

Strong Programming Knowledge:  
Proficiency in one or more programming  
languages (e.g.

Java

Python

C#

JavaScript

Ruby

PHP

Go

Swift

Kotlin).

### Budget

₹ 25000

## Submission

Project Link: <https://youtube.com/shorts/z17Av8wbn8Q?si=ymMuf0FQhnI9yZwD>

Manual Link: <https://youtube.com/shorts/z17Av8wbn8Q?si=ymMuf0FQhnI9yZwD>

### Description for work

i have completed my work. after see my work give me a feedback

Approve

Reject

## Chat with the Freelancer

Enter something...

Send

## Developer Role

The Software Developer is responsible for designing, developing, testing, and maintaining software applications. This role requires strong programming skills, problem-solving abilities, and a collaborative mindset to work with cross-functional teams to create high-quality software solutions. Developers can work in various domains, including web, mobile, backend, and full-stack development, depending on the project needs.

### Required skills

Strong Programming Knowledge:  
Proficiency in one or more programming  
languages (e.g.

Java

Python

C#

JavaScript

Ruby

PHP

Go

Swift

Kotlin).

### Budget

₹ 25000

### Submission

Project Link: <https://youtube.com/shorts/z17Av8wbn8Q?si=ymMuf0FQhnI9yZwD>

Manual Link: <https://youtube.com/shorts/z17Av8wbn8Q?si=ymMuf0FQhnI9yZwD>

#### Description for work

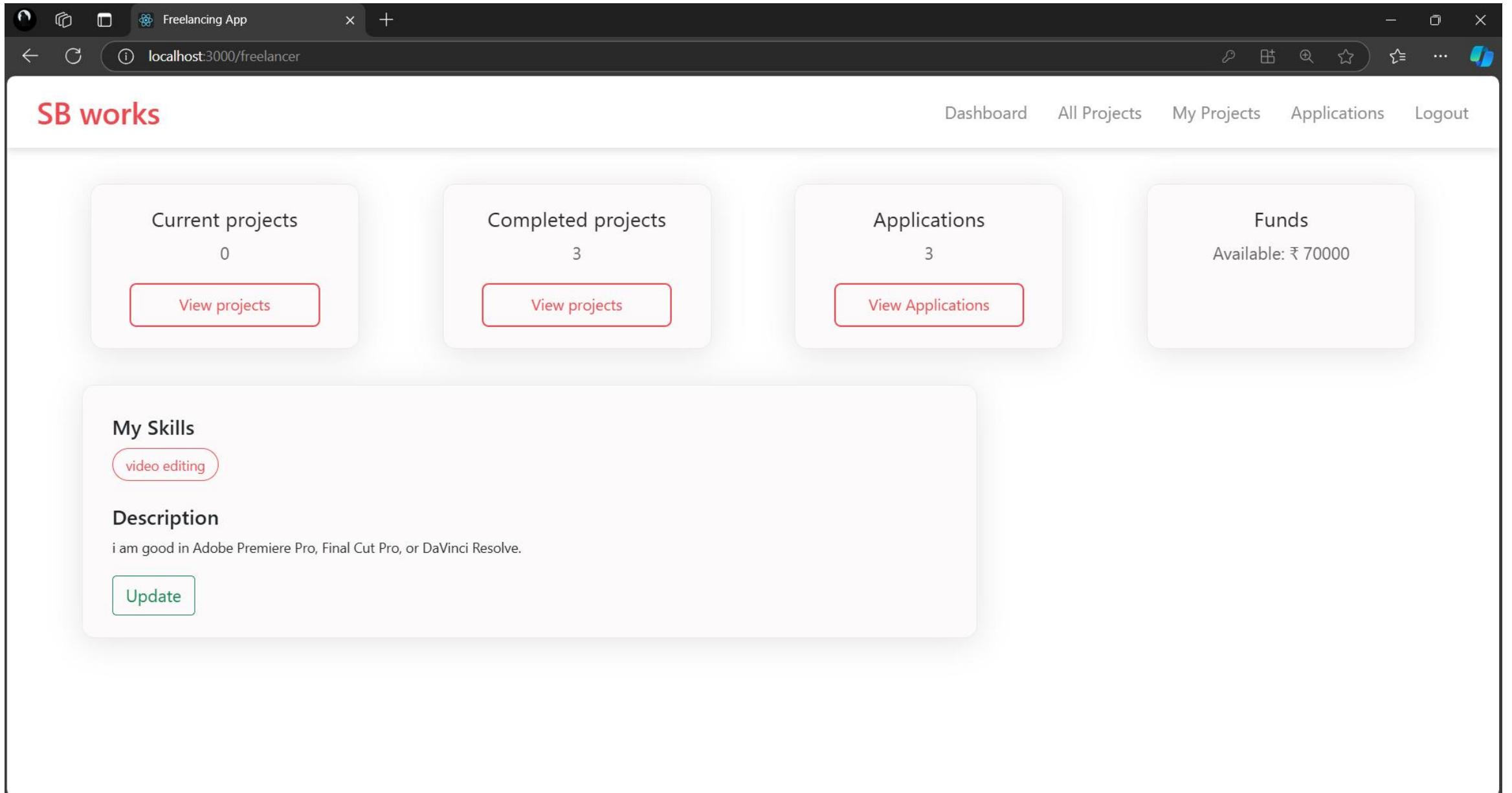
i have completed my work. after see my work give me a feedback

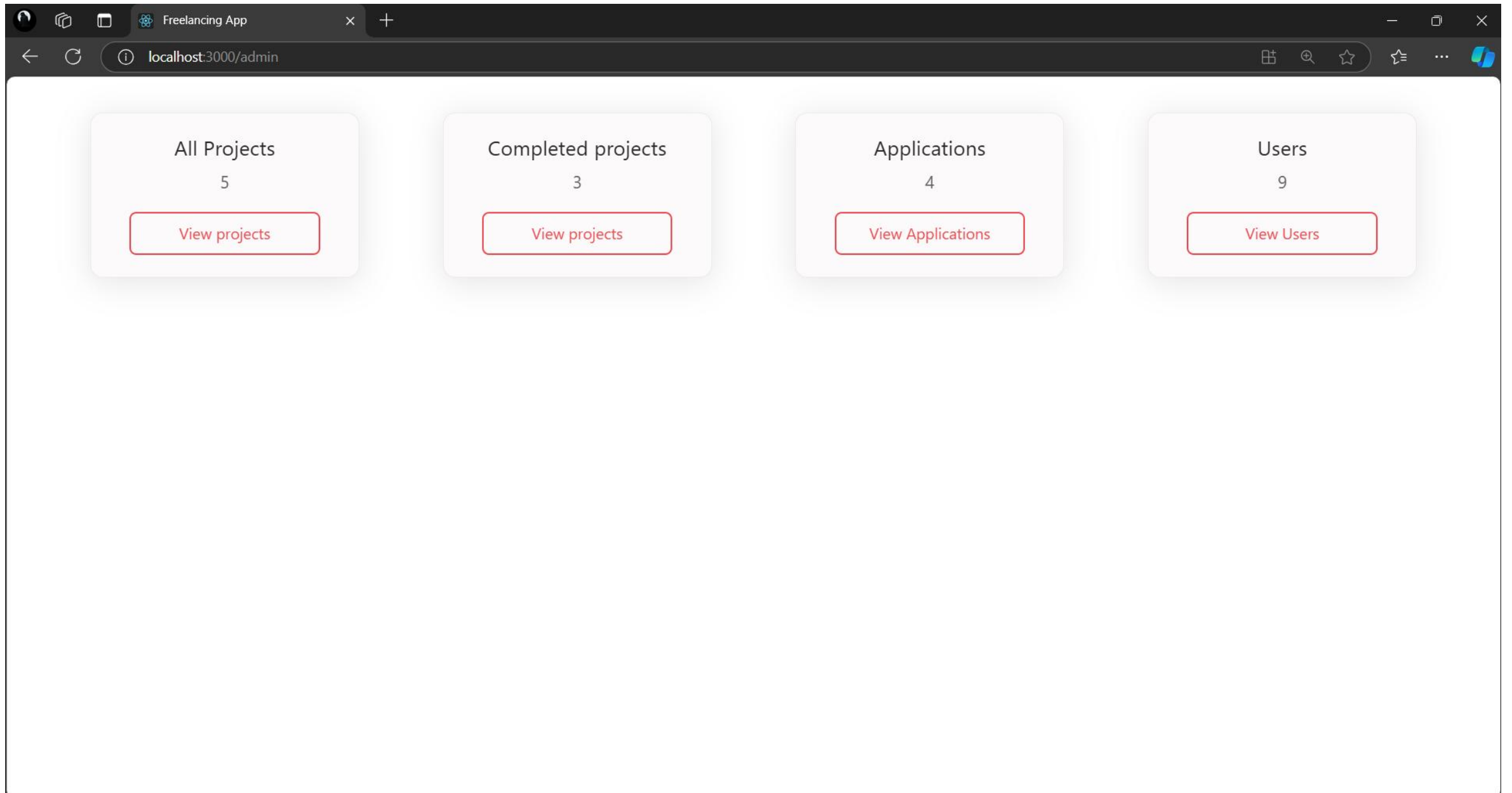
project completed!!

### Chat with the Freelancer

thanks

Send





All Projects

5

View projects

Completed projects

3

View projects

Applications

4

View Applications

Users

9

View Users

# All Applications

## Developer Role

The Software Developer is responsible for designing, developing, testing, and maintaining software applications. This role requires strong programming skills, problem-solving abilities, and a collaborative mindset to work with cross-functional teams to create high-quality software solutions. Developers can work in various domains, including web, mobile, backend, and full-stack development, depending on the project needs.

### Skills

Strong Programming Knowledge: Proficiency in one or more programming languages (e.g.

Java

Python

C#

JavaScript

Ruby

PHP

Go

Swift

Kotlin).

**Budget - ₹ 20000**  
**Client:** ponnilavan  
**Client Id:** 6731a7a21b5491d1475d09d8  
**Client email:** ponni234@gmail.com

## Proposal

Communication: Ability to articulate ideas and technical concepts clearly to both technical and non-technical stakeholders. Teamwork: Collaborative work in teams, often with designers, product managers, and QA. Problem-solving: Strong analytical skills to identify issues and devise solutions. Adaptability: Ability to learn new tools, languages, or paradigms quickly. Time Management: Ability to prioritize tasks, manage workloads, and meet deadlines.

### Skills

video editing

**Proposed Budget - ₹ 25000**  
**Freelancer:** mamo  
**Freelancer Id:** 6731aa591b5491d1475d0a1e  
**Freelancer email:** mamo90@gmail.com  
**Status:** Accepted

## Data Scientist Role

The Data Scientist is responsible for analyzing large datasets to extract meaningful insights, build predictive models, and inform business decision-making. This role requires expertise in statistical analysis, machine

## Proposal

i am good in data scientist

Freelancing App			
localhost:3000/all-users			
User Id	Username	Email	User Role
673192f41b5491d1475d0821	leo	leo	client
User Id	Username	Email	User Role
673193631b5491d1475d0836	leodas	mamomahesh347@gmail.com	freelancer
User Id	Username	Email	User Role
67319e961b5491d1475d0860	mahesh	mamomahesh375@gmail.com	admin
User Id	Username	Email	User Role
6731a7a21b5491d1475d09d8	ponnilavan	ponni234@gmail.com	client
User Id	Username	Email	User Role
6731a8bb1b5491d1475d09ee	sanjay	sanjay04@gmail.com	client
User Id	Username	Email	User Role
6731a9841b5491d1475d09f8	rudhra moorthy	rudhra04@gmail.com	client
User Id	Username	Email	User Role
6731aa591b5491d1475d0a1e	mamo	mamo90@gmail.com	freelancer