



Patuakhali Science and Technology University

Faculty of Computer Science and Engineering

CIT 320 :: Software Development Project-II

Project Proposal

Project Title : SKILL GHORE

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Submitted from,	Submitted to,
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SKILL-GHOR

1. Abstract

SkillGhor is a mobile-based freelancing platform developed using Flutter and Firebase. The application aims to connect freelancers and clients through a simple, secure, and user-friendly interface. The system uses Google authentication, role-based access, and a cloud database to manage users, jobs, and proposals. This project demonstrates modern mobile application development practices and addresses the need for a localized freelancing solution.

2. Objectives

- To design and develop a freelancing mobile application
- To implement secure Google-based authentication
- To provide role-based access for freelancers and clients
- To store and manage user and job data using Firebase Firestore
- To build a scalable and real-time backend system

3. Problem Statement

Existing freelancing platforms are often complex, expensive, and difficult for beginners, especially for local freelancers in Bangladesh. Many users struggle with complicated verification processes and lack of localized support. There is a need for a simple, mobile-first freelancing platform that provides easy onboarding and secure interaction between clients and freelancers.

4. Related Work

Several freelancing platforms such as Upwork, Fiverr, and Freelancer.com provide global freelancing services. However, these platforms focus mainly on web-based systems and international markets. SkillGhor is inspired by these platforms but aims to provide a simpler mobile-based solution with localization support and beginner-friendly onboarding.

5. Scope

The scope of the project includes:

- User authentication using Google Sign-In
- Role selection (Freelancer or Client)
- Profile creation and onboarding
- Job posting and proposal submission
- Cloud-based database integration

Advanced features like payment gateways and AI recommendations are outside the current scope.

6. Methodology

The project follows a structured development approach:

1. Requirement analysis
2. UI/UX design
3. Firebase setup and configuration
4. Authentication system implementation
5. Database integration
6. Testing and debugging
7. Final deployment

6.1. Technology Stack

Component	Technology
Frontend	Flutter (Dart)
Backend	Firebase
Authentication	Firebase Google Sign-In
Database	Cloud Firestore
Platform	Android

6.2. Design Principles

- Simplicity and usability
- Mobile-first design
- Secure authentication
- Modular and scalable architecture
- Role-based navigation

7. Visual Models

7.1. System Architecture Diagram

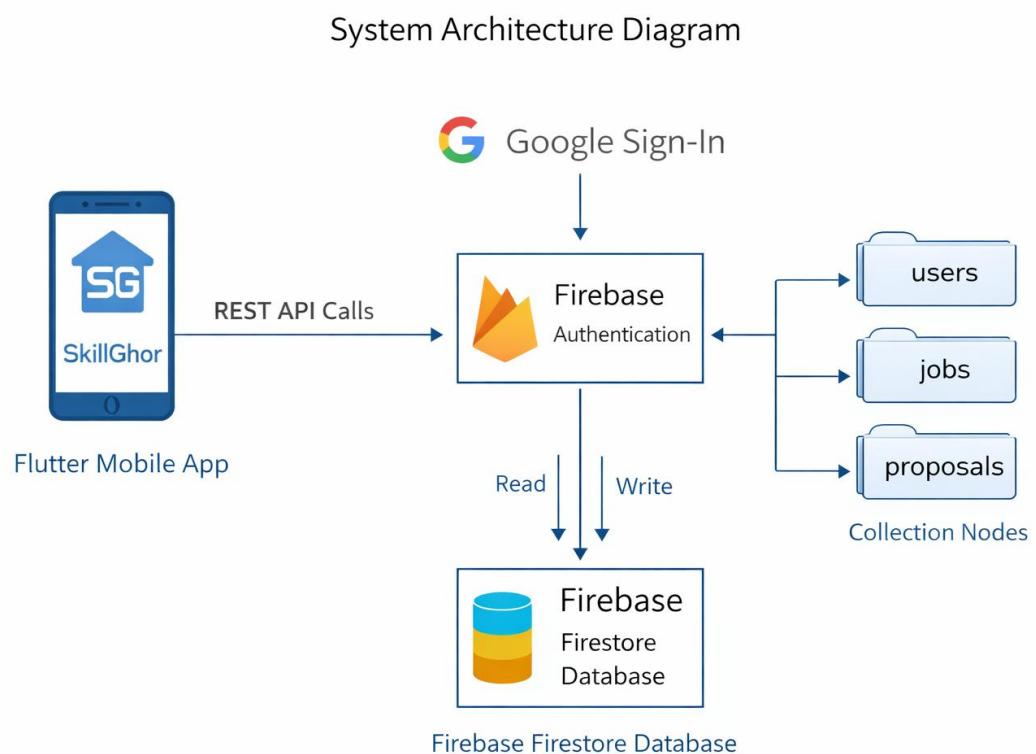


Figure 1: System Architecture Diagram of Skill-ghor

7.2. Timeline (Gantt Chart)

Week	Task
Week 1	Requirement analysis & planning
Week 2	UI/UX design
Week 3	Firebase setup & authentication
Week 4	Database integration
Week 5	Feature development
Week 6	Testing & debugging
Week 7	Final submission

Table 3: Development Timeline of Skill-Ghor

8. UI Mockup

The image displays four screenshots of the SkillGhor mobile application interface:

- Home Screen:** Shows a purple header "Skill Ghor" and a welcome message "Welcome back, mr. X". It includes a profile picture placeholder, a search bar, and a green "Edit Profile" button. Below are stats: 42 totalConnects, 1 totalProposals, and ৳০ totalEarnings. Navigation tabs include Home, Find Work, Proposals, Messages, and Profile.
- Profile Screen:** Shows a green header "Edit Freelancer Profile - SkillGhor". It displays the user's name "mr. X", email "mlipi733@gmail.com", and location "Bangladesh". A green "Edit Profile" button is present. Stats: 42 totalConnects, 1 totalProposals, and ৳০ totalEarnings. Sections for About, Skills (flutter, game dev, app dev, unity, dart), Languages (Bangla), and Education (Bsc PSTU • 2023) are shown.
- Chat Screen:** Shows a green header "Md Noushad Bhuiyan". It displays a conversation with messages: "hi", "hello", "hello", "hello", "hello", "how are you", and "fine". A text input field "Type a message..." with a green send button is at the bottom.
- Profile Screen (Another View):** Shows a purple header "Profile". It displays the user's name "mr. X", email "mlipi733@gmail.com", and location "Bangladesh". A green "Edit Profile" button is present. Stats: 42 totalConnects, 1 totalProposals, and ৳০ totalEarnings. Sections for About, Skills (flutter, game dev, app dev, unity, dart), Languages (Bangla), and Education (Bsc PSTU • 2023) are shown.

← Post a New Job

Job Title *

Job Description *

Required Skills (min 3) *

Flutter, UI/UX, etc. +

⚠ Add at least 3 skills

Budget Type * Fixed

Fixed Budget (BDT) *

Project Deadline *



⚠ Select deadline

Post Job

← Apply to Job

Game dev

By: Md Noushad Bhuiyan

Budget: Fixed • ₹100

Deadline: 2026-02-27

Proposal Description *

Estimated Delivery Date *

Portfolio / GitHub Link (optional)

Your Proposed Budget (₹) *

Boost Your Proposal

+0 extra connects

Total connects to spend: 1

Submit Proposal

9. Weekly Report

No.	Date	Objective	Status	Remarks
1		Project proposal		
2		Environment and navigation setup		
3		Basic UI and backend integration		
4		Database schema and ORM setup		
5		Other features		
6		PWA and UI Polish		
7		Final Testing & Deployment		