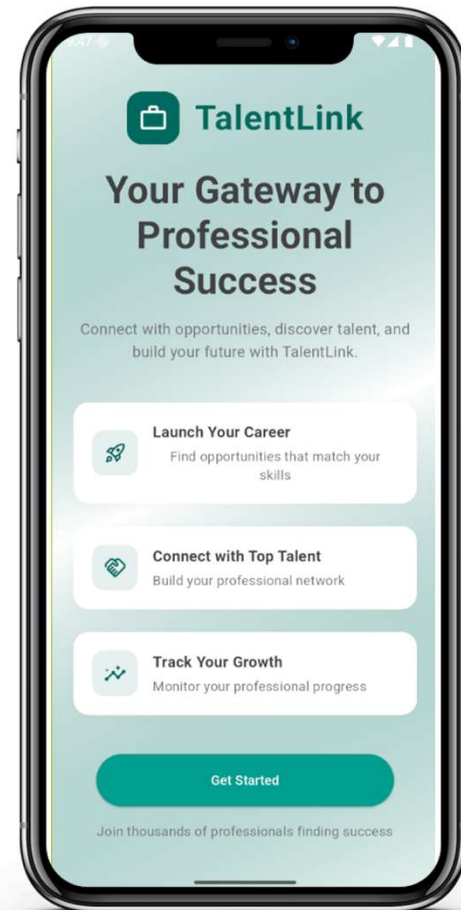

Talent Link

A Modern Cross-Platform
Recruitment Solution

*Done By: Ahmad Saadeh &
Ahmed Awwad
Supervisor: Dr. Raed AlQadi*



Introduction



Current job market challenges



Gap between talent and opportunities



Need for intelligent recruitment solutions



Talent Link's mission

Problem Statement

Fragmented recruitment process

Inefficient job matching

Limited cross-platform accessibility

Lack of real-time communication

Complex document management

Project Objectives



DEVELOP CROSS-
PLATFORM
SOLUTION



IMPLEMENT AI-
POWERED
MATCHING



ENABLE REAL-TIME
COMMUNICATION



ENSURE DATA
SECURITY



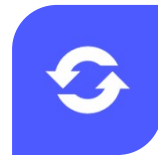
PROVIDE
LOCATION
SERVICES



SUPPORT
DOCUMENT
PROCESSING



DELIVER
ADMINISTRATIVE
TOOLS





MAINTAIN CROSS-
PLATFORM
CONSISTENCY


Technology Stack




System Architecture


 Frontend Development


 Backend Services


 Database Implementation

 Authentication System

 File Storage

 Real-time Features

 Location Services

 Admin Dashboard

6:58

Admin Dashboard

Manage your platform

Welcome Back!
Manage your platform efficiently with these tools

Manage Users
User accounts & profiles

Manage Posts
Content & publications

Statistics
Analytics & insights

Reports
System reports

Job Management
Manage job postings and applications

6:59

Manage Users

Users Organizations

- awwad awwad**
ahmadawwadza7@gmail.com

Ban
- awwad2 awwad2**
a_hmad_mdeoza2@outlook.sa

Ban
- ahmad saadeh**
ahmadmsaadeh@icloud.com

Ban
- Ahmad Saadeh**
ahmad@example.com

Ban
- fdfs fdfs**
anyone@example.com

Ban
- asjkh hkfds**
sad@sd.com

Ban
- ahmad**
ahmad_saadeh@talent.ps

Ban
- Ahmed Awwad**
awwad@talent.ps

Ban
- Ahmad Saadeh**
s12010471@stu.najah.edu

Ban
- karim abuaisheh**
kariemabuaisheh@gmail.com

Ban

6:59

Manage Users

Users Organizations

- be**
b@example.com

Ban
- Talent Link**
asssa72412@gmail.com

Ban

6:59

Statistics

- nl

Total Users

14
- nl

Active Now

1
- nl

Total Jobs

23
- nl

Total Organizations

2

7:01

Manage Posts

ahmadmsaadeh Search

ahmadmsaadeh
2025-04-27 16:38:35

Hi everyone

♥ 2 💬 1

Comments:
awwad awwad: s
↳ awwad awwad: s

Ban

ahmadmsaadeh
2025-05-16 14:03:16

Hello

♥ 0 💬 0

Ban

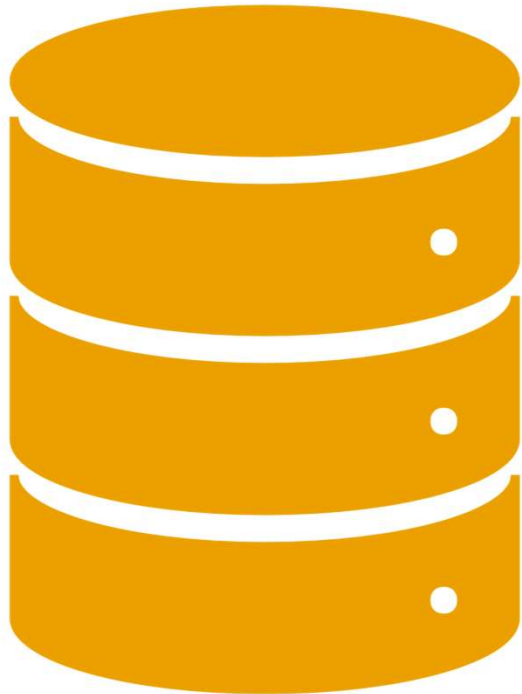
ahmadmsaadeh
2025-05-16 19:16:29

printf("hello World")

♥ 2 💬 1

Comments:
Ahmad Saadeh: hii
↳ Ahmad Saadeh: hhh
↳ Ahmad Saadeh: hhh

Ban



Deployment Strategy

- Docker Containerization
- Google Container Registry
- Firebase Hosting
- Flutter Web Build

Web-Specific UI Design



FLUTTER WEB WITH WEB-
OPTIMIZED UI



DESKTOP-OPTIMIZED
LAYOUT



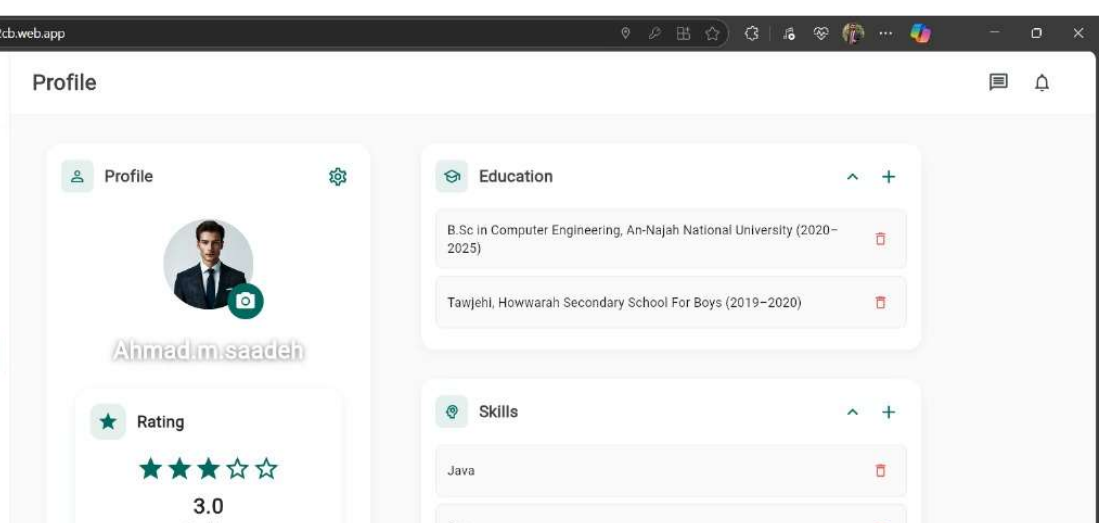
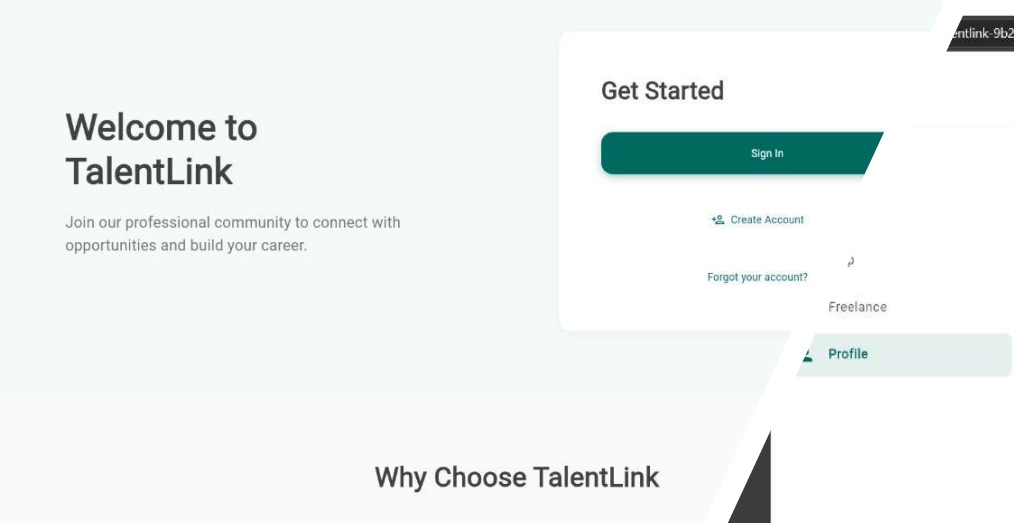
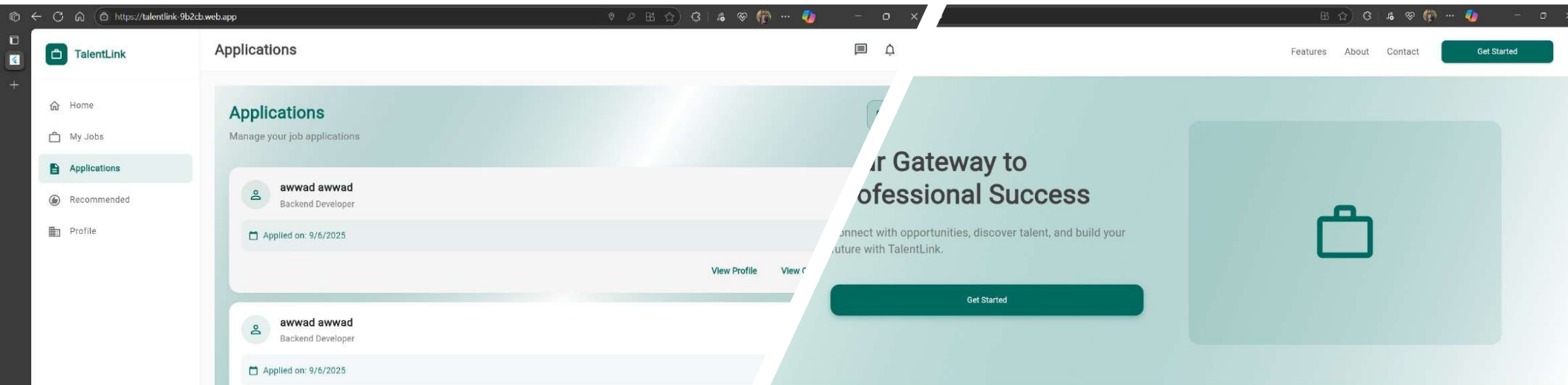
ENHANCED USER
EXPERIENCE



RESPONSIVE DESIGN
PRINCIPLES

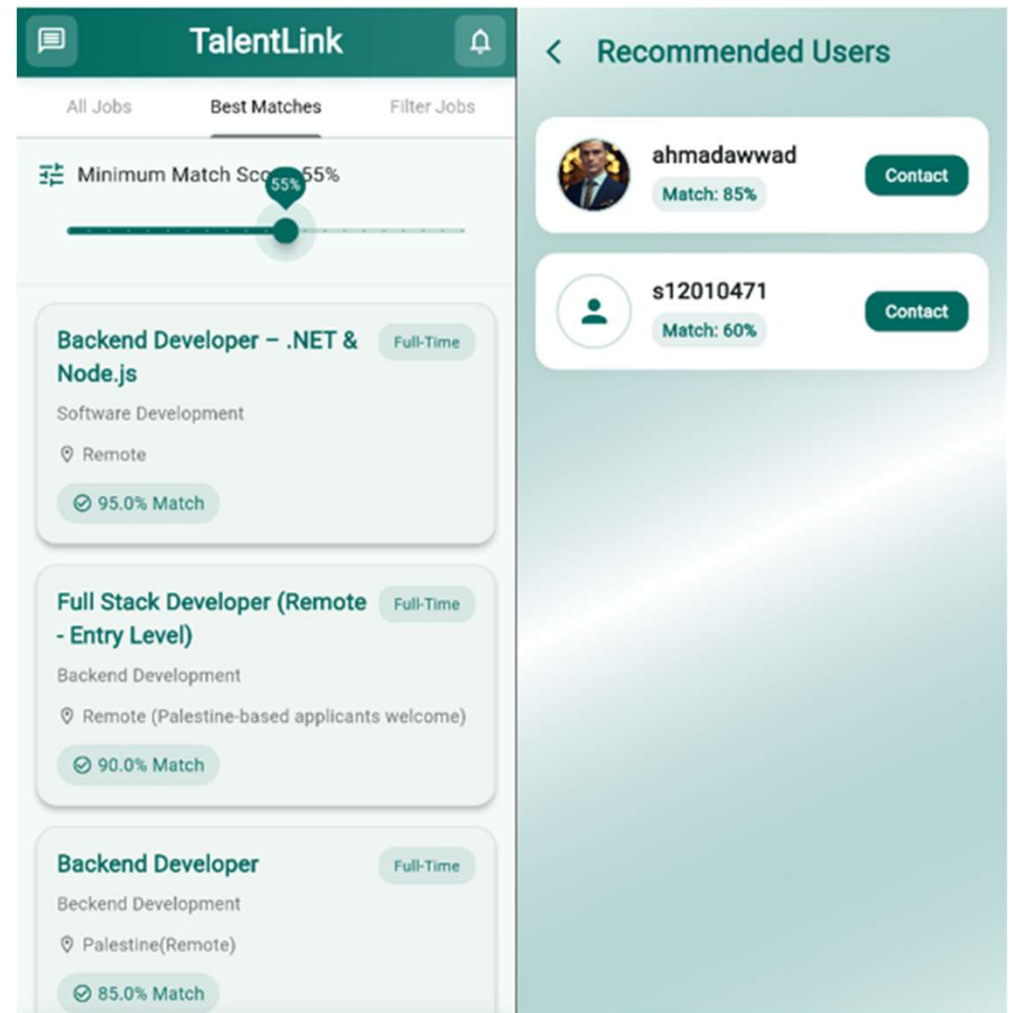


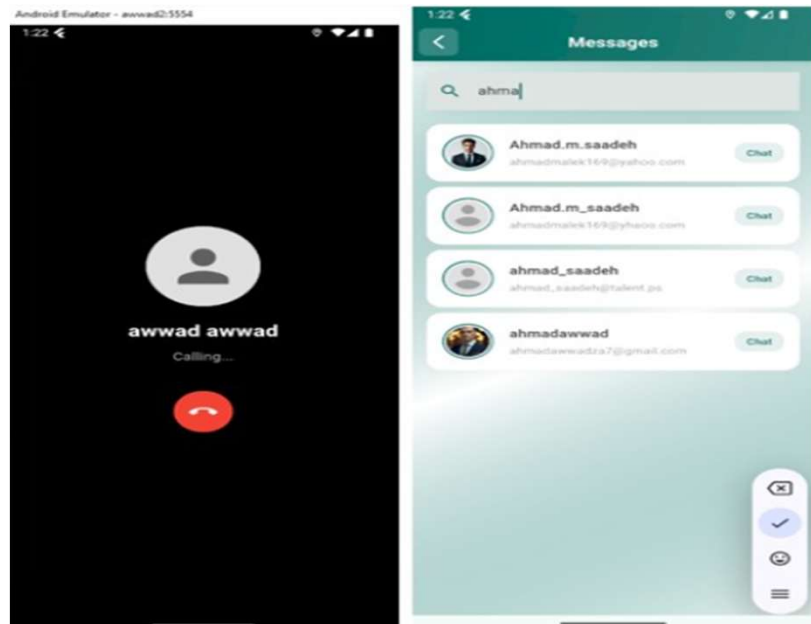
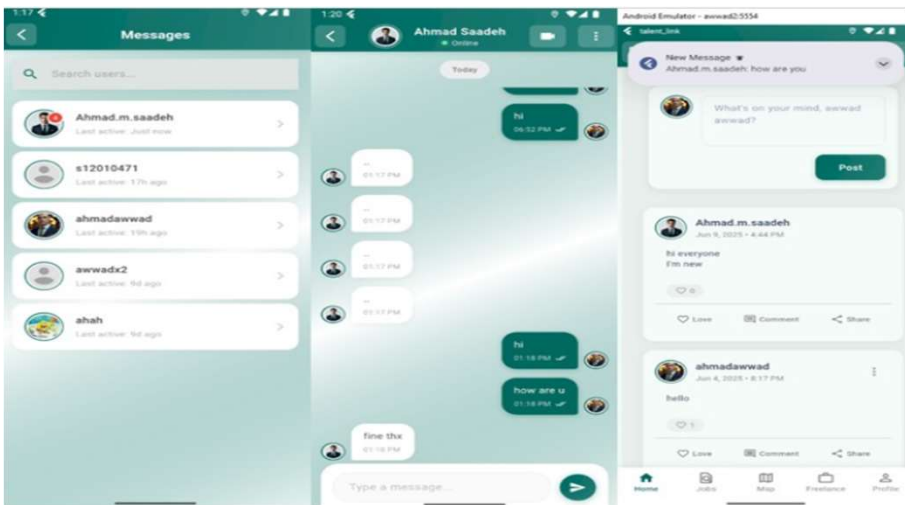
CROSS-
PLATFORM CONSISTENCY



AI-Powered Job Matching

- Advanced algorithm analysis
- Skill matching
- Personalized match scores
- Quick opportunity identification
- Smart filtering system

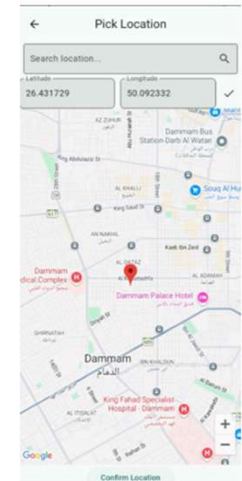
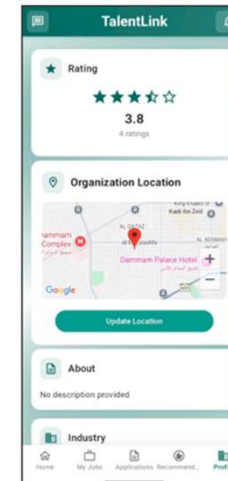




Real-time Communication

- Text messaging with history
- Video call functionality
- Online/offline status
- Push notifications

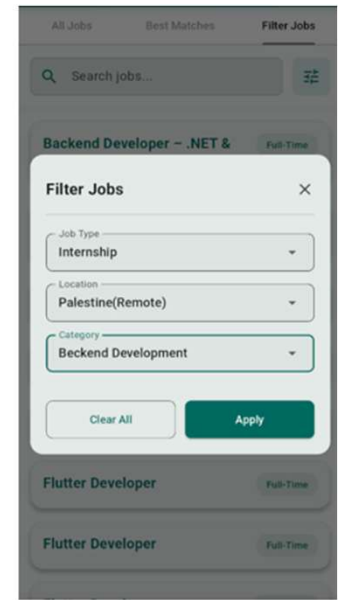
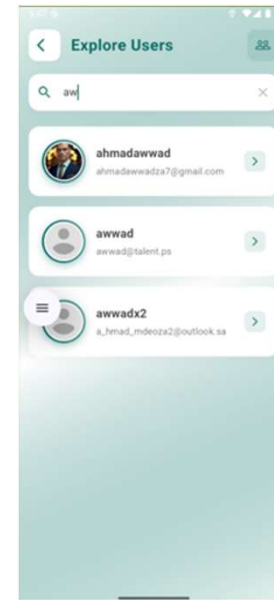
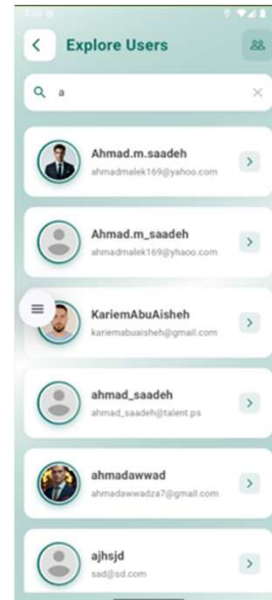
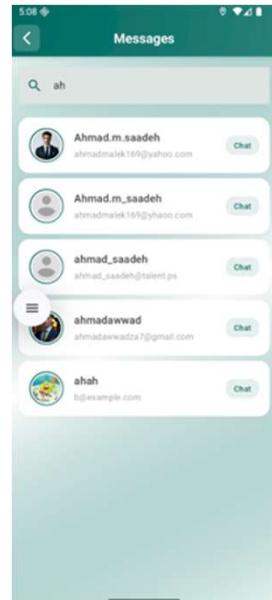
Location Services



- Map interface for organizations
- Secure location data storage
- Privacy-focused implementation
- Geographic opportunity search

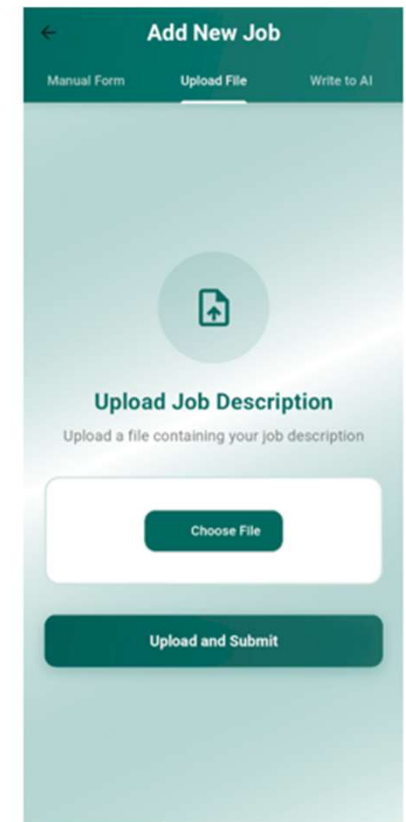
Smart Search System

- Job type filtering
- Category-based search
- Text-based search
- Advanced filtering options



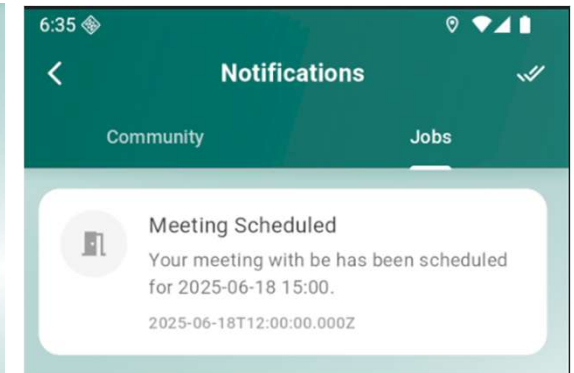
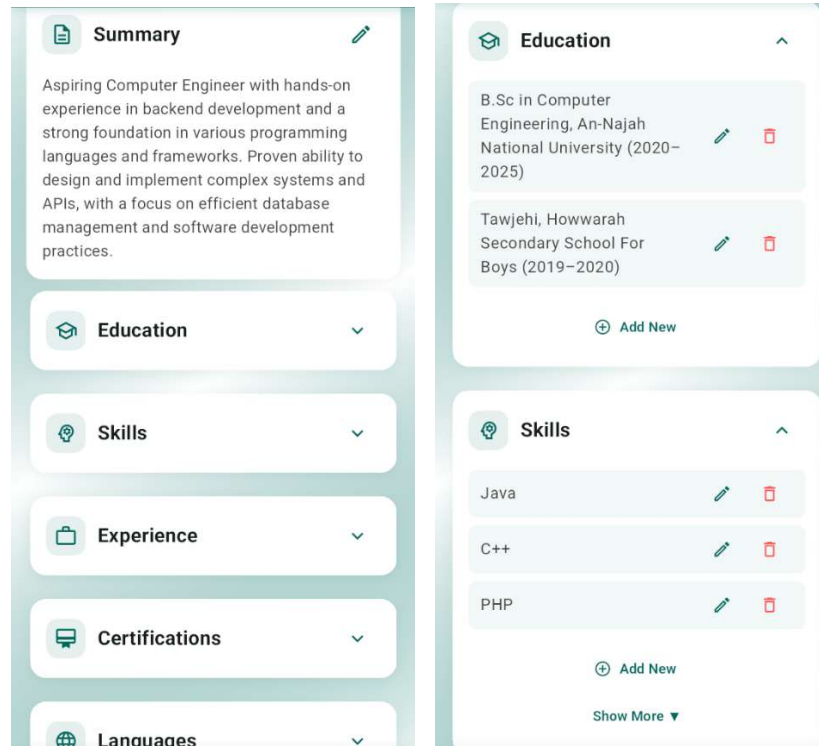
Document Management

- CV upload and processing
- OCR for document analysis
- Google Cloud storage
- Multiple file type support



Job Seeker Features

- Profile Management
- Skill listing
- Experience tracking
- Resume upload
- Job application tracking



Organization Features

- Job Posting
- Application tracking
- Interview scheduling

Add New Job

Manual Form Upload File Write to AI

Create New Job Posting
Fill in the details for your new job posting

Basic Information

Job Title _____

Description _____

Job Details

Location _____

Salary _____

Job Type ▼

Category _____

Add New Job

Manual Form Upload File Write to AI

Write to AI
Describe your job posting and let AI help you create it

Describe your job posting here...

Generate with AI

My Job Postings
Manage your job opportunities

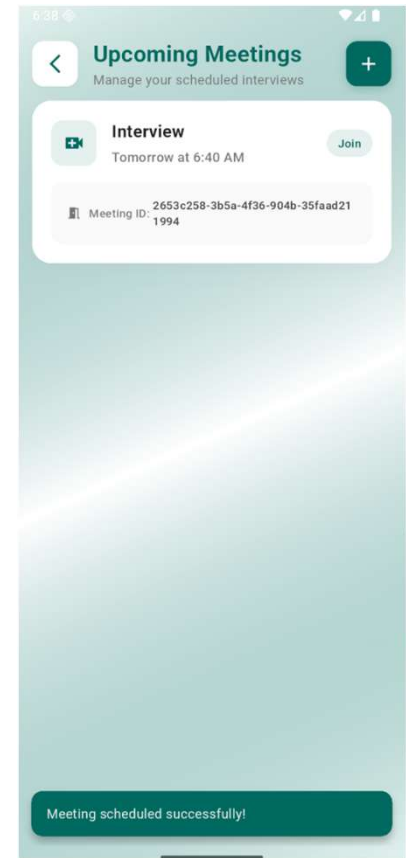
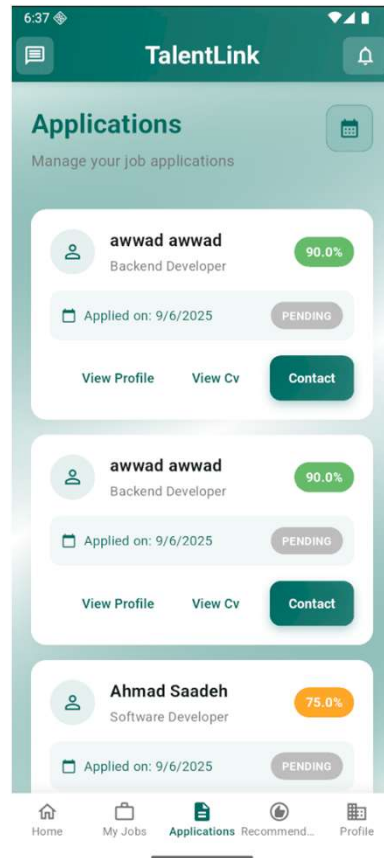
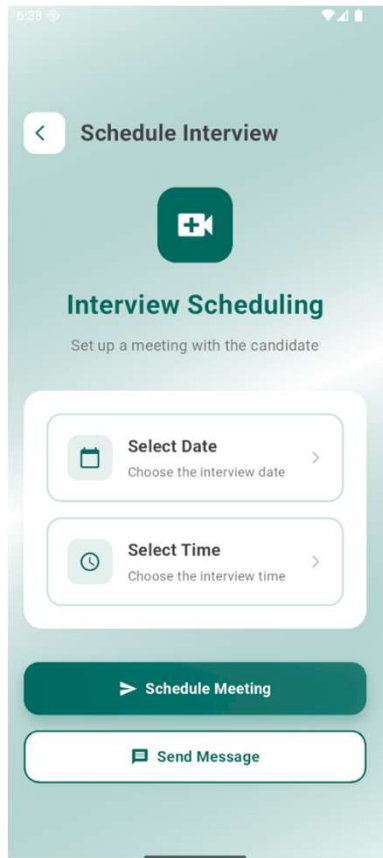
Create New Job

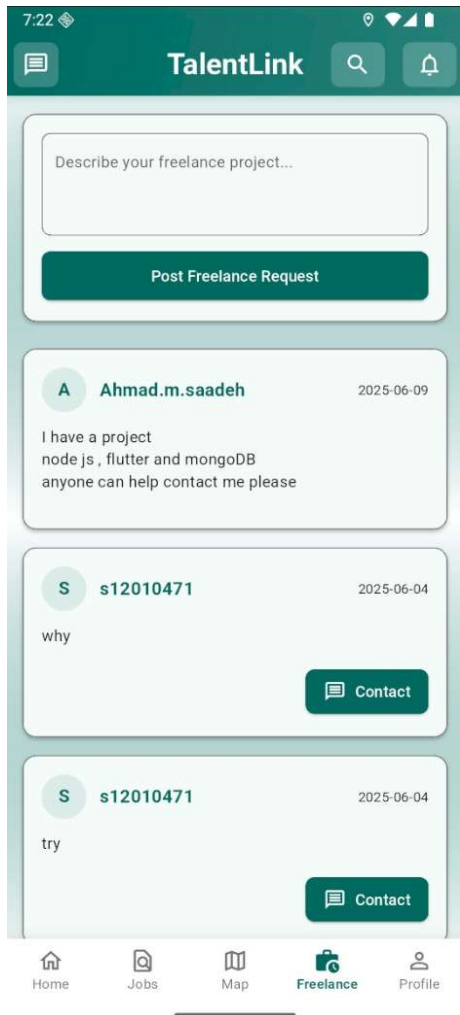
Flutter Developer ✎ 🗑️

Software Development

🏠 Full-Time 📍 Remote

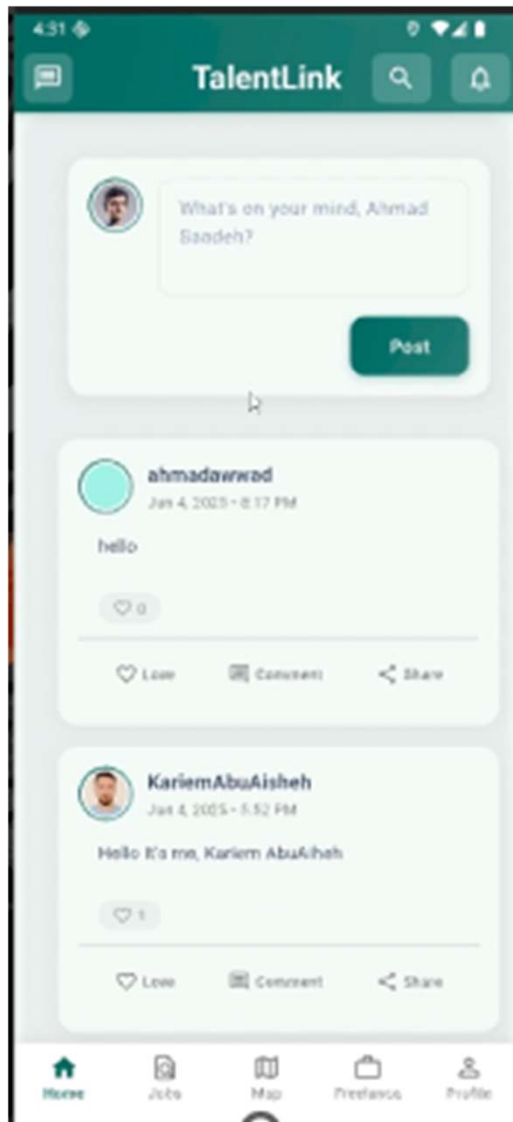
📅 Deadline: 2025-09... 💰 \$10 - \$100 per hour





Freelance

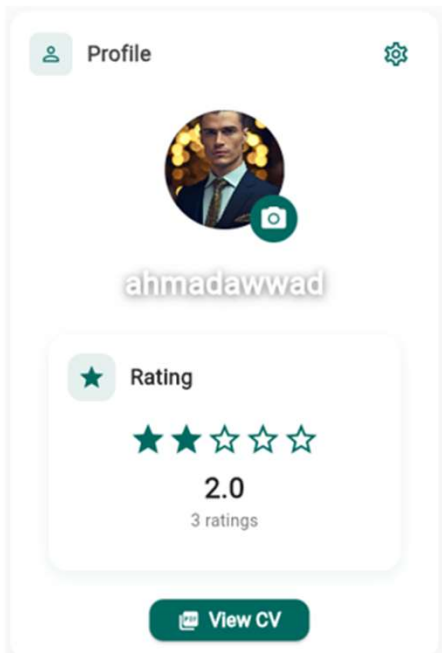
- Community-driven platform
- Public posting capabilities
- Direct messaging system
- Skill showcase opportunities
- Networking and collaboration



Community Interaction System

- User Posts
- Comments and Reply System
- Love/Reaction Interactions
- Lazy Loading for Performance

Rating and Review System



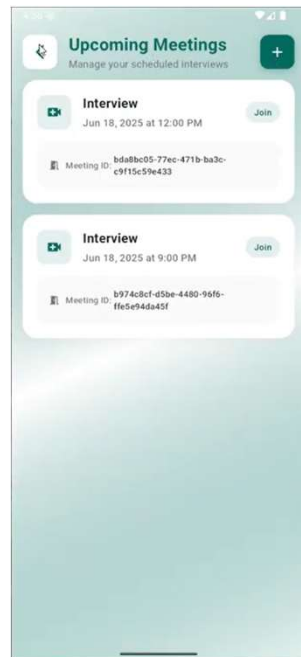
- Bidirectional Rating System
- User-to-User Ratings
- Organization-to-User Ratings
- User-to-Organization Ratings

Profile System and Follow Network

- Public Profile Viewing
- User-to-User Following
- Organization Following
- CV Viewer and Skills Display
- Experience and Portfolio Showcase



Organization Meeting Scheduling



- Zego Cloud Integration
- Official Meeting Platform
- Video Conferencing Solution
- Meeting Scheduling System
- Professional Interview Environment

Notification Center & Push Notifications



Firebase Cloud
Messaging



Real-time Push
Notifications



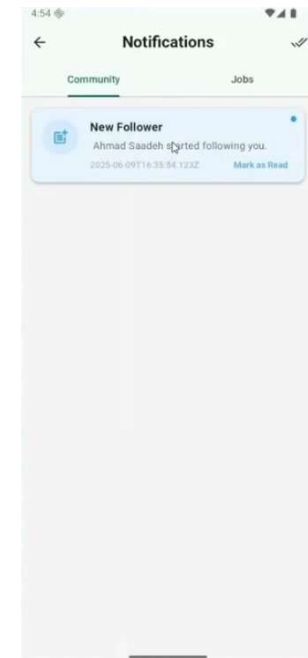
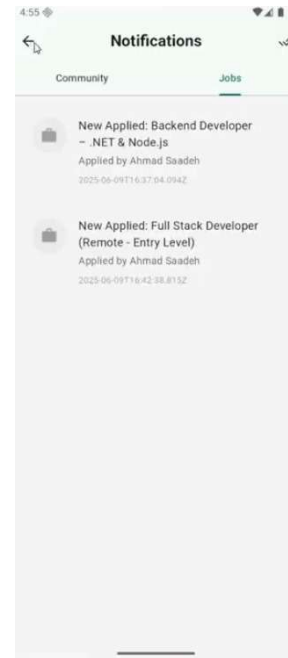
Centralized
Notification Center



Customizable Alert
Settings

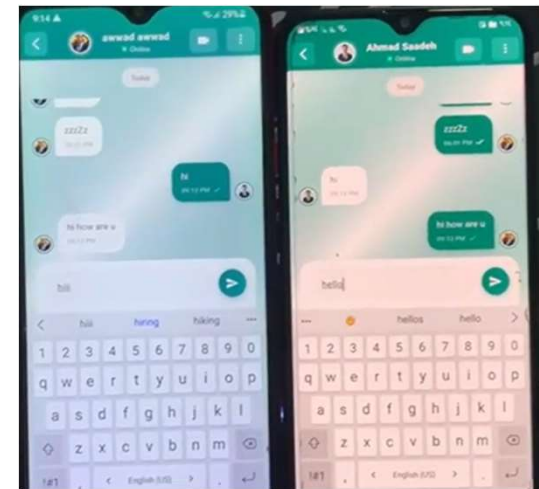
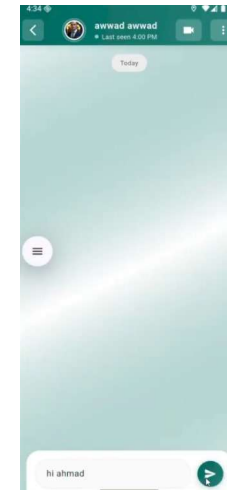


Cross-Platform
Notification Delivery



Real-time Messaging System

- Socket.IO Integration
- Dedicated Message Channels
- Call Management Channels
- Online Status Tracking
- MongoDB Message Storage



Security Implementation

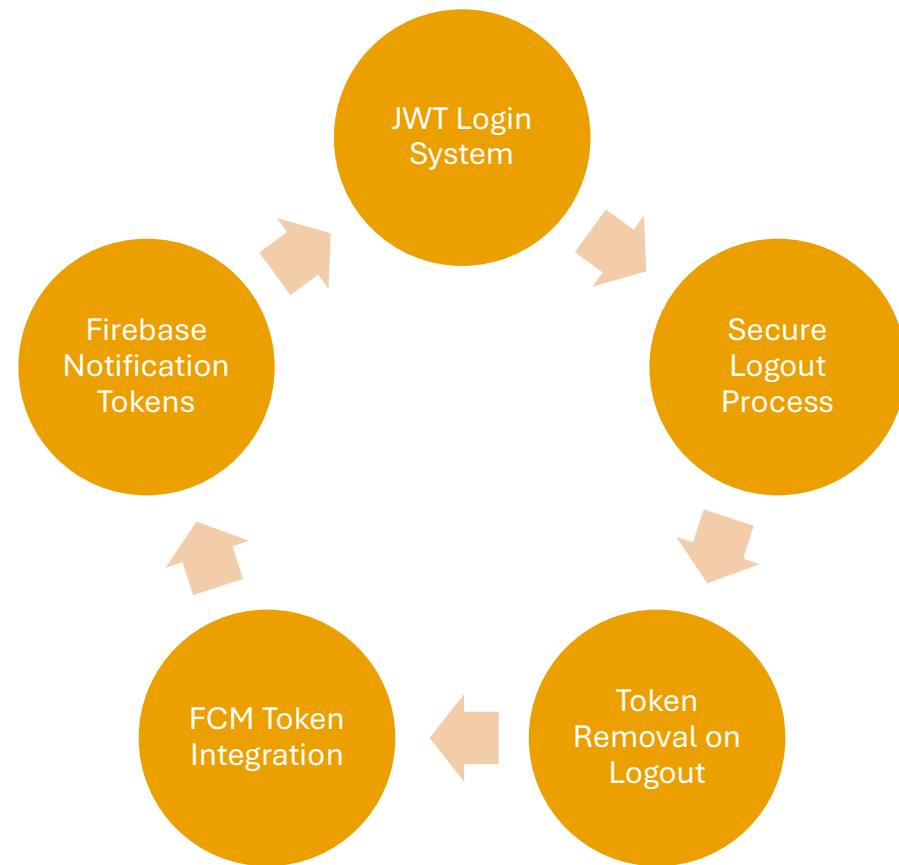
JWT Authentication

Role-based Access Control

Secure File Storage

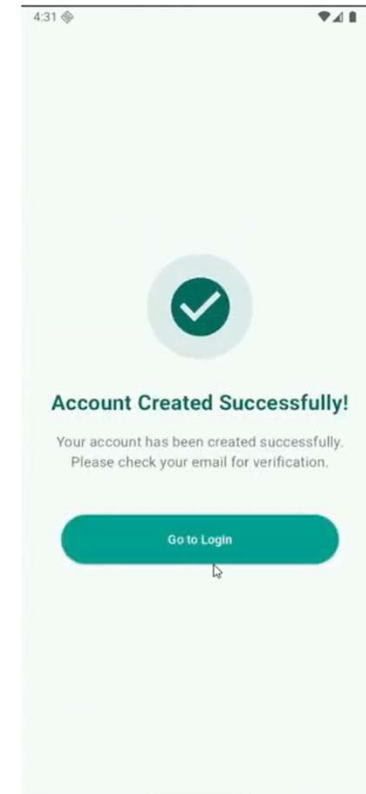
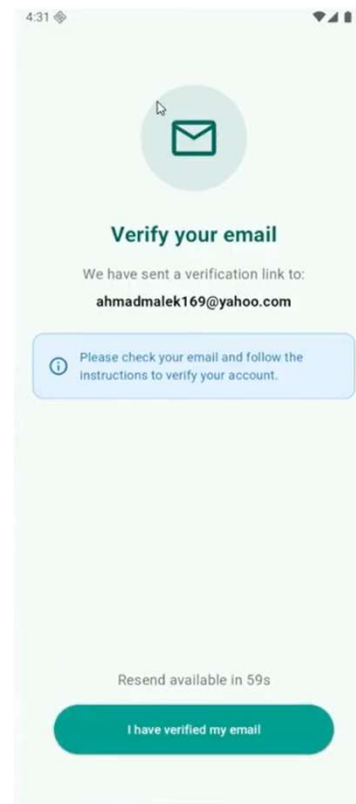
Privacy Controls

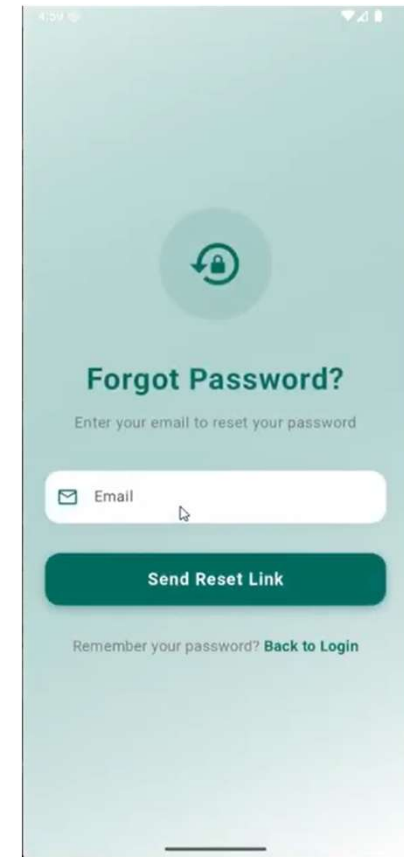
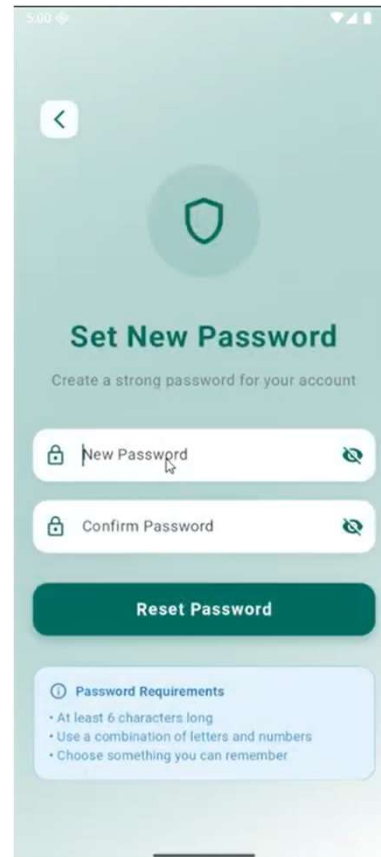
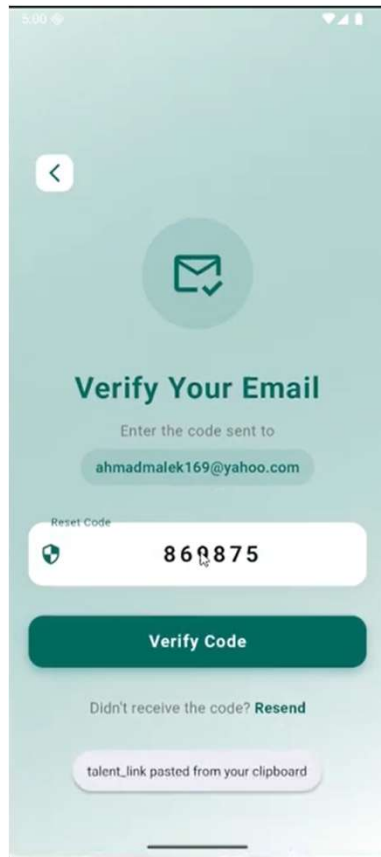
Authentication & Token Management



Email Verification & Password Recovery

- Email Verification System
- Verification Link Generation
- Forgot Password Functionality
- Secure Code Delivery
- Account Security Measures





Performance Features



REAL-TIME
PROCESSING



FAST SEARCH
CAPABILITIES



EFFICIENT
MATCHING



QUICK
RESPONSE TIMES



SCALABLE
ARCHITECTURE

Technical Improvements



ADVANCED AI
INTEGRATION



ENHANCED REAL-
TIME FEATURES



IMPROVED
OFFLINE
CAPABILITIES



ADVANCED
SECURITY
MEASURES



MULTI-LANGUAGE
SUPPORT

Feature Enhancements



Advanced
Analytics



External System
Integration



Enhanced
Customization



Mobile App
Enhancements



Progressive Web
App Features

Benefits for Stakeholders



Job Seeker
Benefits



Employer
Benefits



Administrator
Benefits



Platform
Benefits



Market Benefits

Project Summary

Key Achievements

Technical Implementation

Feature Delivery

User Benefits

Future Potential

Q&A

