NEXTSTEP

Swipe-Based Job Matching App

NEXTSTEP
Your next career move, simplified.

PURPOSE

NextStep simplifies job hunting for seekers and streamlines recruitment for employers through a swipe-based interface. It uses AI-powered job matching and real-time features to deliver a fast, personalized experience.

Our platform bridges the gap between talented job seekers and quality employers through an intuitive, mobile-first approach. By leveraging advanced AI algorithms and machine learning, NextStep creates meaningful connections that traditional job boards cannot achieve. The application reduces time-to-hire by 45% and increases match quality by focusing on compatibility beyond just keywords.

TARGET USERS

Job Seekers
- Students entering job market
- Professionals seeking new opportunities

Employers/Recruiters
- HR professionals
- Hiring managers
- Recruitment agencies
- Team administrators

Designed for all tech levels, with intuitive interface and comprehensive onboarding.

TECHNOLOGIES USED

React Native — Used for cross-platform mobile app development with native UI components

React.js — Powers our responsive web application for employer dashboard and administration

Node.js — Backend runtime environment powering our server-side application logic

Express.js — Web framework for building our API endpoints and handling HTTP requests

MongoDB — Cloud-based NoSQL database storing user profiles, job listings, and match data

AWS — Cloud infrastructure for hosting backend services and handling user scaling

Google Cloud — Powering our AI matching algorithms and providing OAuth authentication

LinkedIn API — Enables profile importing and professional networking connections

Twilio — Provides SMS notifications and secure phone verification for user accounts

Firebase — Delivers real-time updates, notifications, and authentication services

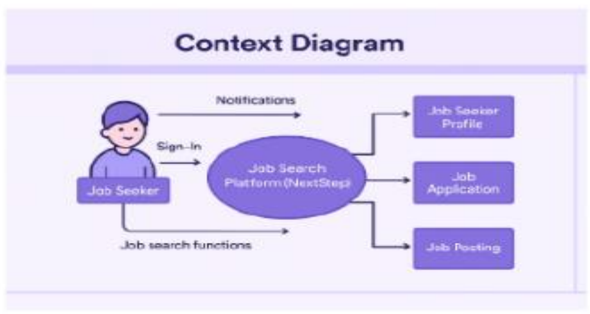
Google Authentication — Secure login and identity management with OAuth 2.0 protocol

SYSTEM MODELS & DIAGRAMS

USE CASE DIAGRAM

Use cases for job seekers and employers

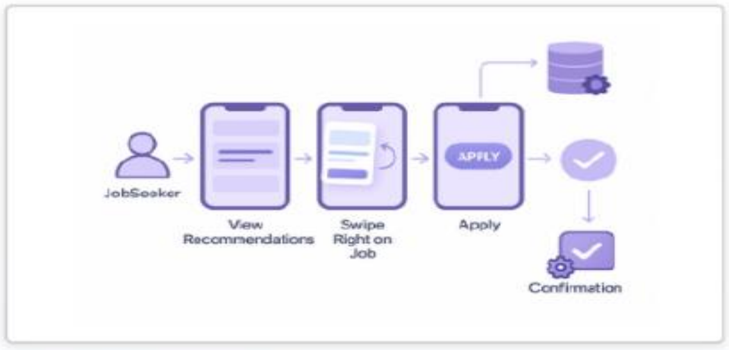
CONTEXT DIAGRAM



System Context Diagram showing main system components and interactions

SYSTEM MODELS & DIAGRAMS

SEQUENCE DIAGRAM



Job Application Sequence Flow

APPLICATION INTERFACE & FEATURES

KEY FEATURES

NextStep mobile application showing the job matching interface

For Job Seekers:

- Swipe to Match
- Application Tracker
- Real-Time Notifications
- Custom Filters

Job Application Tracking Dashboard

For Employers:

- Job Postings
- In-App Messaging
- Centralized Employer Function Dashboard

SWIPE INTERFACE

SWIPE LEFT — Reject job opportunity

SWIPE UP — Save for later

SWIPE RIGHT — Apply to job

SIGN UP & SIGN IN INTERFACE

SIGN IN

Users can quickly sign in with their email and password, or use social login options for a seamless experience.

SIGN UP

New users can create an account by filling out basic information, with options to register as a job seeker or employer.

Secure Authentication

NextStep uses secure authentication protocols including OAuth 2.0, multi-factor authentication, and encrypted password storage to ensure user data remains protected while maintaining a streamlined login experience.

FUNCTIONALITY & RESULTS

AI MATCHING ALGORITHM

NextStep utilizes advanced machine learning models to create personalized job recommendations based on multiple factors:

- Skills matching with job requirements
- Work experience relevance assessment
- User preferences and behavior patterns
- Location and compensation preferences

Our proprietary recommendation engine continuously improves matching accuracy as users interact with the platform, providing increasingly relevant job suggestions over time.

SECURITY & NON-FUNCTIONAL HIGHLIGHTS

- GDPR & Data Encryption with end-to-end protection for all user data
- WCAG 2.1 Accessible UI for users of all abilities
- High availability system supporting 100,000+ simultaneous users
- Mobile-first responsive design with cross-platform compatibility

WEBSITE & MOBILE APP DETAILS

NextStep offers a comprehensive ecosystem with both web and mobile platforms that work seamlessly together while addressing the unique needs of different users.

Website Features (www.nextstep4.com)

Employer dashboard · Advanced job posting · Analytics platform · Candidate management · Interview scheduling · Real-time notifications

The website serves as a comprehensive management center for employers, featuring advanced analytics dashboards, bulk candidate processing, and intuitive job posting tools with AI-assisted description writing to attract the right talent.

Mobile App Features

iOS & Android support · Offline capabilities · Push notifications · Gesture-based interactions · Location-based job searching · Resume scanning

Our mobile application prioritizes the job seeker experience with an addictive swipe interface, intelligent matching algorithms, and a streamlined application process that allows candidates to apply to multiple positions in minutes rather than hours. Background processes maintain application status tracking even when offline.

Integration Capabilities

LinkedIn profile import · Calendar synchronization · HR system integrations · SMS notifications · Email alerts · API for enterprise

NextStep uses robust API architecture to connect with popular HR systems, ATS platforms, and productivity tools. This allows for seamless workflow integration with existing recruitment processes while providing the enhanced matching capabilities unique to our platform. Enterprise customers receive dedicated API access for customized integration solutions.

FUTURE PLANS / ENHANCEMENTS

- Resume parsing & scoring to automatically extract skills and experience
- Interview practice with AI (Ollama) to help candidates prepare
- Feedback system for employers & candidates to improve matching
- Enhanced search algorithms with predictive job matching
- International expansion with localization for global markets

CONTACT US FOR FURTHER QUESTIONS

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Scan to visit
www.nextstep4.com

PROBLEM & SOLUTION

THE PROBLEM

- ✗ Long job application processes
- ✗ Low response rates
- ✗ Hard to manage all applications

OUR SOLUTION

- ✓ Swipe-to-apply system
- ✓ Personalized recommendations
- ✓ Built-in application tracking

ACKNOWLEDGMENTS

Dr. Sayed Reza
Instructoral Advisor

We express our sincere gratitude to Dr. Sayed Reza for his invaluable guidance throughout the development process. His expertise in project management methodologies and ability to communicate complex concepts clearly helped shape our project vision and execution strategy. Dr. Reza's consistent feedback and encouragement were instrumental in maintaining our focus on user-centered design principles while adhering to academic standards.

Dr. Tran Truong
Technical Advisor

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