



# *Skillify*

## *AI-Powered Skill Assessment Platform*

By THE CONQUERORS

# INTRODUCTION

## *Purpose of this Document*

*Explain that this document provides comprehensive information about the Skillify project, including its architecture, setup instructions, API documentation, and contribution guidelines.*

## *Project Overview*

*Briefly describe Skillify and its goals (as outlined in the README.md).*

# ARCHITECTURE

## Frontend Architecture

*Describe the frontend's architecture, including:*

*Framework: React*

*Component structure: Explain how components are organized and interact.*

*Routing: Describe how client-side routing is implemented using React Router.*

*State management: Explain the use of Context API (or Redux/Zustand) for managing application state.*

## Backend Architecture

*Describe the backend's architecture, including:*

*Framework: Node.js with Express*

*API design: Explain the API endpoints and their functions.*

*Data models: Describe the data models and their relationships.*

*Authentication: Explain the authentication mechanism (JWT).*

*Middleware: Describe the use of middleware for authentication, error handling, etc.*

*Database: Explain the choice of MongoDB and the use of Mongoose.*

# API Documentation

## Authentication Endpoints

- `/api/auth/login (POST)`: Login user.
  - Request body: { email, password }
  - Response: { token, user }
- `/api/auth/signup (POST)`: Register a new user.
  - Request body: { firstName, lastName, email, password, accountType }
  - Response: { token, user }
- `/api/auth/forgot-password (POST)`: Initiate password reset.
  - Request body: { email }
- `/api/auth/reset-password/:token (POST)`: Reset password using token.
  - Request body: { password }

# Job Endpoints

- */api/jobs (GET): Retrieve all jobs.*
  - *Query parameters: ?search=keyword&location=city&...*
  - *Response: [ { job1 }, { job2 }, ... ]*
- */api/jobs/:id (GET): Retrieve a specific job by ID.*
  - *Response: { job }*
- */api/jobs (POST): Create a new job posting (requires authentication).*
  - *Request body: { title, description, ... }*
  - *Response: { job }*
- */api/jobs/:id (PUT): Update an existing job posting (requires authentication).*
  - *Request body: { title, description, ... }*
  - *Response: { job }*
- */api/jobs/:id (DELETE): Delete a job posting (requires authentication).*
  - *Response: { message: "Job deleted" }*

## Skill Endpoints

- *(Document similar endpoints for skills and assessments.)*

## General API Documentation

- *Include base URL.*
- *Describe overall principles like authorization, data formats, error handling*

# Setup Instructions

## Prerequisites

❖ *List the required software and tools:*

- ☐ *Node.js*
- ☐ *npm or yarn*
- ☐ *MongoDB*
- ☐ *Git*

## Backend Setup

❖ *Detailed steps to set up the backend:*

- ☐ *Clone the repository.*
- ☐ *Navigate to the Backend directory.*
- ☐ *Install dependencies (npm install or yarn install).*
- ☐ *Configure environment variables (create a .env file).*
- ☐ *Set up the MongoDB database.*
- ☐ *Start the server (npm start or yarn start).*

# Frontend Setup

❖ Detailed steps to set up the frontend:

- Navigate to the Frontend directory.
- Install dependencies (npm install or yarn install).
- Configure environment variables (create a .env.local file).
- Start the development server (npm start or yarn start).



# Thank You

 Hope you like Skillify