

JobSensei – Module-wise API & Feature Documentation

MODULE 1: Authentication & User Onboarding (OAuth + JWT)

Features

- - Google, GitHub, LinkedIn OAuth login
- - JWT-based session
- - New user creation on first login
- - Role-based access (user, mentor, admin)

API Endpoints

- GET /auth/google — Redirect to Google login
- GET /auth/google/callback — Handle Google OAuth
- GET /auth/github — Redirect to GitHub login
- GET /auth/github/callback — Handle GitHub OAuth
- GET /auth/linkedin — Redirect to LinkedIn login
- GET /auth/linkedin/callback — Handle LinkedIn OAuth
- GET /auth/logout — Clear session
- GET /auth/me — Return logged-in user

Required Schema Fields

- - email
- - name
- - avatar
- - provider (google/github/linkedin)
- - role: 'user' | 'mentor' | 'admin'
- - token
- - isNewUser

MODULE 2: Profile Setup (User & Mentor)

Features

- - User adds bio, skills, interests, resume link
- - Mentor adds bio, expertise, LinkedIn link, availability
- - Image/avatar upload
- - Tag-based fields for skills/interests

API Endpoints

- GET /api/profile/me — Get current user profile
- PUT /api/profile — Update user or mentor profile
- GET /api/profile/:id — Public profile view

Required Schema Fields

- - name
- - bio
- - avatar
- - location
- - role
- - skills (array of tags)
- - interests (tags)
- - resumeUrl
- - expertise (tags)
- - linkedin
- - available (boolean)

MODULE 3: Mentor Discovery

Features

- - User can browse/search mentors
- - Filter by expertise, location, availability
- - View mentor profile

API Endpoints

- GET /api/mentors — List mentors with filters
- GET /api/mentors/:id — Get mentor profile

Search Filters

- - expertise
- - location
- - available (true/false)

MODULE 4: Connect & Book Mentorship

Features

- - Users can send mentorship requests
- - Mentors approve/reject
- - Schedule time via date & message
- - Notification sent to both

API Endpoints

- POST /api/mentorships/request — Send mentorship request
- GET /api/mentorships — List user/mentor requests
- PUT /api/mentorships/:id/respond — Approve/Reject by mentor

Required Schema Fields

- - user (ref)
- - mentor (ref)
- - status: 'pending' | 'accepted' | 'rejected'
- - message
- - dateRequested
- - scheduledTime

MODULE 5: Career Tools & AI Assistance

Features

- - Resume Analysis (Upload → AI summary)
- - Role Recommendations (based on skills)
- - Smart Q&A (Chat-based help)

API Endpoints

- POST /api/ai/resume — Upload and analyze resume
- POST /api/ai/recommendations — Get role suggestions
- POST /api/ai/chat — AI Q&A for user queries

MODULE 6: Admin Dashboard

Features

- - Manage users & mentors
- - Approve flagged content
- - View analytics (registrations, mentorships, activity)

API Endpoints

- GET /api/admin/users — List all users
- PUT /api/admin/users/:id/role — Update user role
- DELETE /api/admin/users/:id — Delete user
- GET /api/admin/stats — Analytics dashboard

MODULE 7: Notifications & Chat (Optional)

Features

- - Email + In-app notifications
- - Real-time chat for approved mentorships

Notification Fields

- - type
- - message
- - recipient (user)
- - read (boolean)

MODULE 8: Frontend (Vite + React)

Features

- - Landing page
- - OAuth login page
- - Onboarding setup
- - Dashboard (role-based)
- - Mentor discovery & filters
- - Request mentorship
- - Profile edit/view (user + mentor)
- - AI tools page
- - Admin panel

Frontend Tech Stack

- - React + Vite
- - React Router DOM
- - Axios
- - Context API
- - AI Tools: react-dropzone, PDF parser