



## JobConnect – MERN-Based AI Resume Screening Portal

Stack: MongoDB, Express.js, React.js, Node.js

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### 1. Project Setup & Git Manager

- Set up GitHub repository with proper folder structure
- Add .gitignore, README, and environment sample files
- Handle branch naming, merging, and pull request checks
- Create issue tracking system for all members

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### 2. MongoDB Schema Developer

- Design schemas for Users, Jobs, Applications, and Resume Scores
- Implement Mongoose models with validation rules
- Establish relationships and references (e.g., recruiter → job posts)

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### 3. User Authentication Developer

- Build registration and login functionality using JWT and bcrypt
- Handle token generation and verification
- Setup protected/private routes in backend

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### 4. Recruiter Dashboard Developer (Frontend)

- Build UI for recruiter dashboard
- Components: Add Job, View Applications, AI Match Results
- Integrate backend APIs using Axios



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## 5. Job Seeker Dashboard Developer (Frontend)

- Build job seeker dashboard with profile, resume upload, applied jobs
  - Create edit profile and view AI ranking pages
  - Responsive layout with Tailwind or Bootstrap
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## 6. Job Post & Job Listing Developer

- Build job posting form (with skills, description, salary, location)
  - Implement job listing page with filters and pagination
  - Create API routes for job creation and retrieval
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## 7. Resume Upload and Parsing Developer

- Implement resume upload (PDF/DOCX) using Multer
  - Store files on server/cloud
  - Integrate parsing logic (e.g., pdf-parse or docx-parser) to extract text
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## 8. AI Integration Developer

- Create Express route to send parsed resume + job info to AI API
  - Receive ranking/score response from AI
  - Store and return score to frontend
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## 9. Application System Developer

- Create apply-to-job functionality from job seeker side
- Prevent duplicate applications
- Recruiter view of applicants for each job



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## 10. Chat System Developer (Real-time)

- Implement real-time chat using Socket.IO
  - Allow recruiter and job seeker to communicate once applied
  - Store chat messages in MongoDB
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## 11. Frontend Routing & Layout Manager

- Setup React Router for user roles (public/private routes)
  - Build layout components (navbar, sidebar, footer)
  - Handle route protection (based on user type)
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## 12. Analytics & Stats Developer

- Show analytics on recruiter dashboard
    - No. of applicants
    - Top matched resumes
  - Use Chart.js or Recharts to display charts
  - Backend logic to aggregate data for charts
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## 13. Form Validation & UX Improvements

- Add form-level and field-level validation using Formik/Yup
- Provide error messages and success feedback
- Improve UX with loaders, modals, and status indicators



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## 14. Testing & Debugging Engineer

- Write unit tests using Jest for backend
- Perform API tests using Postman
- Debug common issues, track logs, and report bugs

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## 15. Deployment & Environment Setup

- Setup .env files for local and production
- Deploy frontend on Vercel and backend on Render or Heroku
- Document setup steps in README
- Setup MongoDB Atlas for production DB



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