



## Qtec Solution Limited

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# Task: “QuickHire” Simple Job Board Application

## Project Description:

You are required to build a mini job board application using **Next.js (or React.js)** for the frontend and **Node.js/Express or PHP/Laravel** for the backend.

The system should allow users to browse job listings, filter/search jobs, view job details, and submit applications. A simple admin panel should allow posting and managing job listings.

This task will help us evaluate your frontend UI skills, backend API design, database structure, code organization, and overall development approach.

**Estimated Time:** 6–8 hours

**Deadline:** ASAP

## UI Design Requirement (Mandatory)

You must implement the UI based on the following Figma template:

<https://www.figma.com/design/cLdiYqgjKdv rn4c0vQBdIT/QSL---QuickHire--Task-for-A.-Soft.-Engineer?m=auto&t=mMSVr1ZwNCz0M81D-1>

Your implementation should closely follow the design in terms of:

- Layout structure
- Typography
- Color scheme
- Spacing and alignment



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- Overall look and feel

Minor adaptations are acceptable, but the final result must strongly match the provided design.

## Core Requirements:

Your application should include the following features:

### 1. Frontend (Next.js / React.js – Required)

Your frontend must include:

- Job Listings Page
  - Display all jobs
  - Search functionality
  - Filter by category and/or location
  - Clean, responsive layout
- Job Detail Page
  - Show full job description
  - “Apply Now” form including:
    - Name
    - Email
    - Resume link (URL)
    - Cover note
- Basic Admin View
  - Add new job listings
  - Delete job listings
- Responsive UI
  - Must be fully responsive
  - Use Tailwind CSS or Bootstrap



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- Maintain a clean and professional UX
  - Reusable Components
    - Proper component structure
    - Organized folder structure
    - Clean naming conventions

## 2. Backend (Node.js/Express or PHP/Laravel – Your Choice)

You must build a RESTful API with the following functionality:

### Required Endpoints (Examples)

#### Jobs:

- GET /api/jobs – List all jobs
- GET /api/jobs/{id} – Get single job details
- POST /api/jobs – Create a job (Admin)
- DELETE /api/jobs/{id} – Delete a job (Admin)

#### Applications:

- POST /api/applications – Submit job application

## 3. Database

- Use MongoDB, MySQL, or PostgreSQL
- Persist job listings and applications
- Proper model relationships (e.g., Job → Applications)

Example Models:

- Job (id, title, company, location, category, description, created\_at)
- Application (id, job\_id, name, email, resume\_link, cover\_note, created\_at)



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## 4. Validation

- Basic input validation on all endpoints
- Required fields must be validated
- Email must be properly formatted
- Resume link must be a valid URL

## 5. Code Quality

- Clean folder structure
- Meaningful naming conventions
- Modular and reusable components
- Organized API structure
- Basic README file with setup instructions

## Bonus (Optional but Recommended)

- Deployed frontend/backend (e.g., Vercel, Railway, Render)
- Improved admin UI
- Better filtering logic
- Loading states & UX enhancements
- Environment-based configuration
- Clean API response formatting

## Submission Instructions:

1. Push your project to a **public GitHub repository**.



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2. Include a clear **README.md** that:
    - Explains the project
    - Shows how to run it locally
    - Mentions environment variables (if any)
  3. Record a short Loom or screen-recorded demo (3–5 minutes) walking through:
    - Job listing
    - Job details
    - Applying to a job
    - Admin creating/deleting a job
  4. A live deployed link is a bonus.

Please submit with:

- GitHub repository link
- Loom/demo link
- Live link (if available)

## Important Notes:

- Follow clean coding standards.
- Maintain a logical Git commit history (avoid pushing everything at once).
- Partial progress is acceptable – we value effort, structure, and problem-solving clarity.
- Even if all features are not completed, submit your work.