

**Team Name: Sunrisers**

**Team Leader: Aditya Raorane**

**Problem ID: 02**

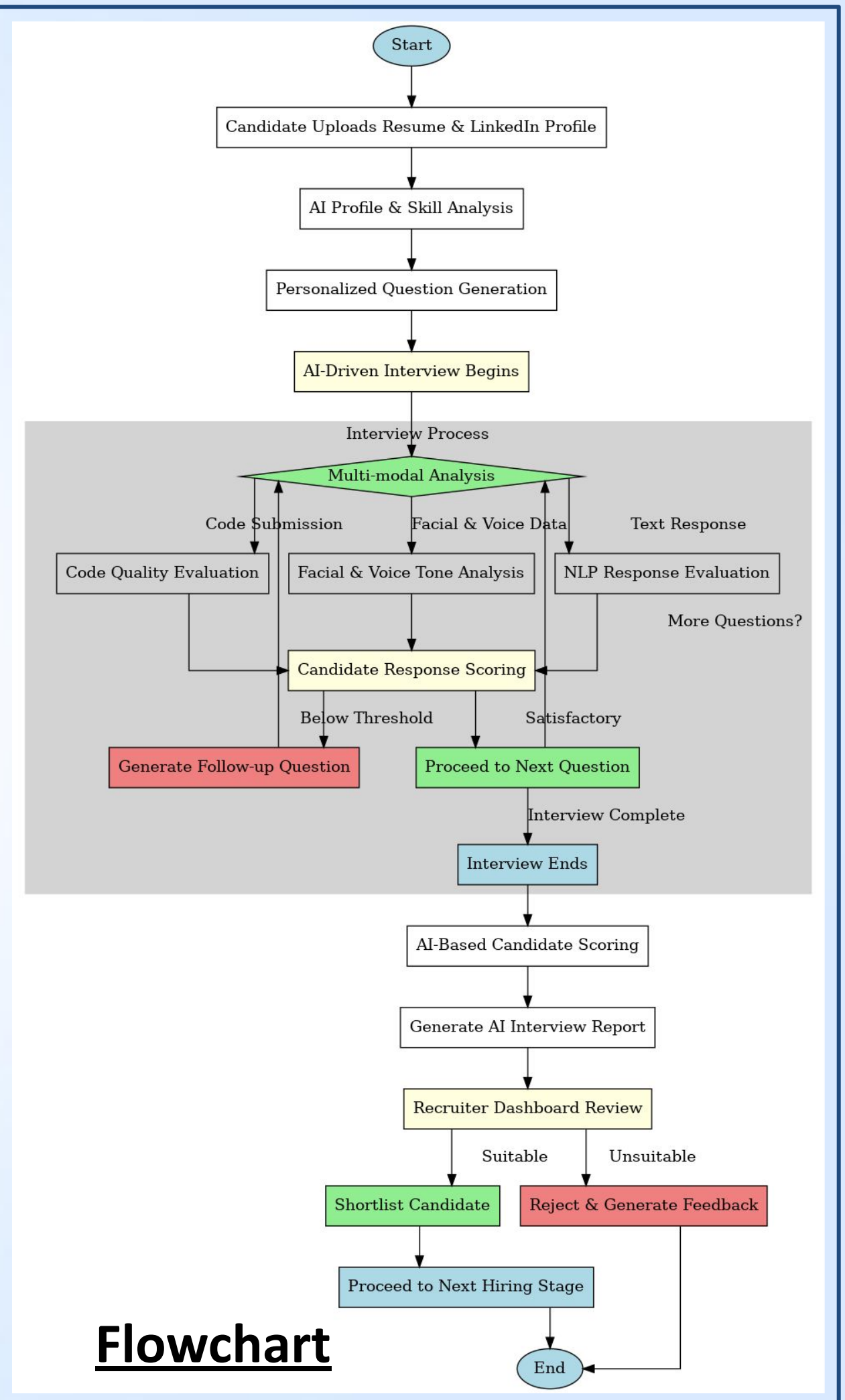
**Problem statement: AI-Powered Automated Interviewer**

**University/College name: Vivekanand Education Society's  
Institute of Technology, Mumbai**

# Proposed Solution

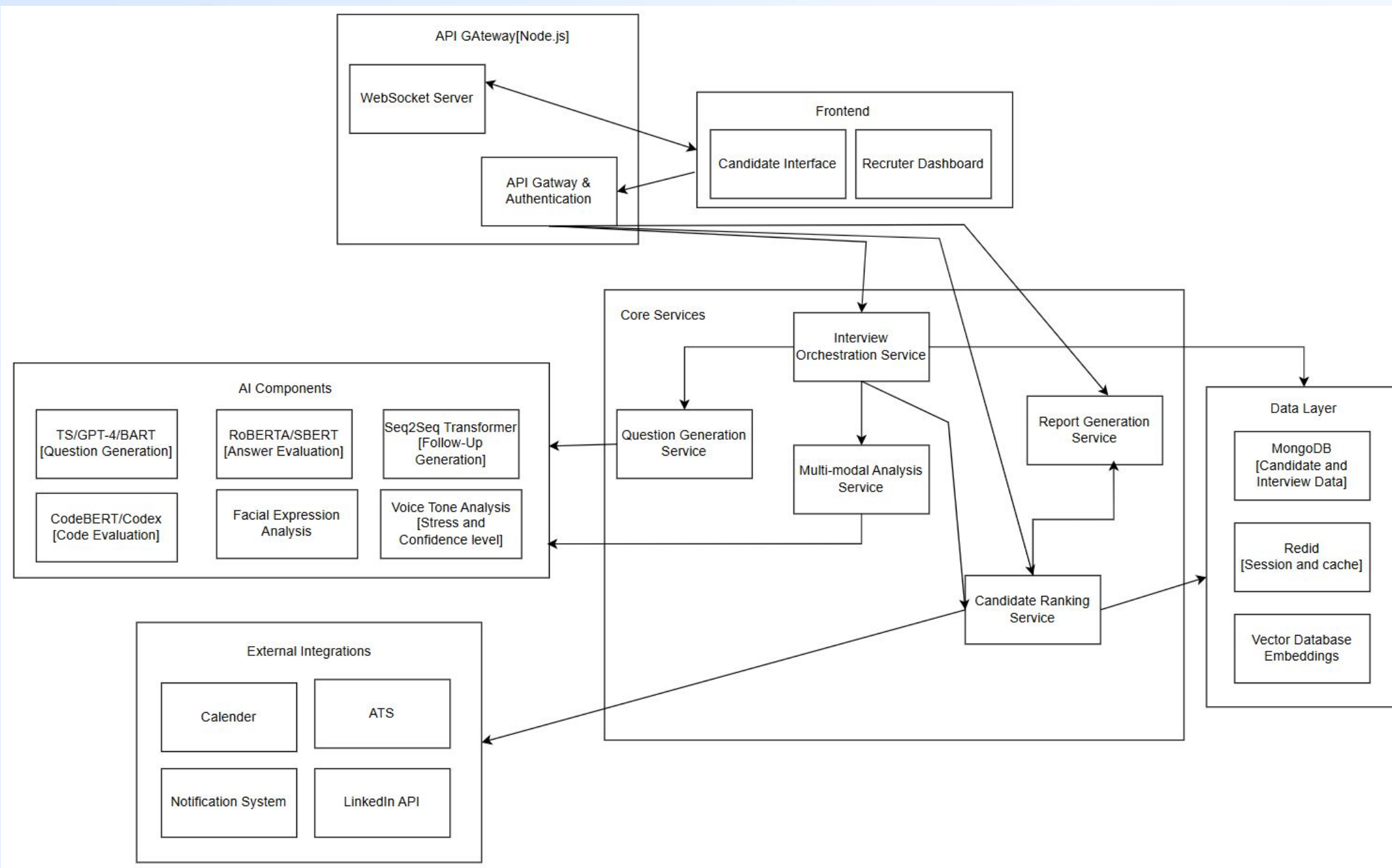
Hire360.AI is a **comprehensive AI-powered interview platform** that delivers automated assessments, multi-modal candidate analysis, and intelligent insights to help organizations make **data-driven hiring decisions** with confidence.

1. **AI-powered assessment** conducts real-time interviews, delivering comprehensive candidate profiles through multi-modal analysis.
2. **Facial and voice analysis** quantifies soft skills by monitoring confidence, communication fluency, and emotional signals.
3. **Dynamic questioning** creates tailored interviews that adapt in real-time to candidate responses and knowledge gaps.
4. **Intuitive dashboard** presents candidate rankings with AI-generated hiring recommendations backed by evidence-based insights.
5. **Bias detection** identifies and mitigates unconscious preferences, ensuring fair evaluation across diverse candidate pools.



# Software Implementation

## Software Architecture



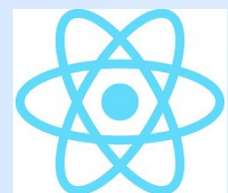
1. Deploy **integrated language model pipeline** leveraging T5, GPT-4, and BART for intelligent question generation tailored to candidate profiles and job descriptions.
2. Implement **comprehensive response analysis** using RoBERTa, DeBERTa, and SBERT to evaluate technical accuracy, relevance, and depth of candidate answers.
3. The platform utilizes **Seq2Seq Transformer architecture** for dynamic follow-up questioning that adapts based on previous responses and detected knowledge gaps.
4. **CodeBERT** and **OpenAI Codex** power technical assessment of programming challenges, with automated code quality and efficiency evaluation.
5. The system employs **SBERT** and **RoBERTa** for final candidate scoring and ranking, with a React/Node.js dashboard for recruiter insights and AI-generated hiring recommendations.

# Features

## Core Features & Technology

1. **Real-time candidate assessment** via multi-modal AI with predictive hiring success indicators
2. **Personalized interview experiences** based on job requirements and candidate background
3. Interactive talent heatmap with skill-level insights and **strategic recruitment planning**
4. **ATS integration** for end-to-end recruitment management and **HRIS system connectivity**

## Tech Stack



React



Node



Hugging  
Face



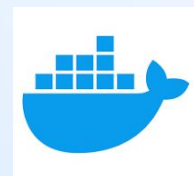
TensorFlow



PyTorch



Open-AI



Docker



AWS

## Competitive Advantages

1. **Advanced AI assessment** with ATS/HRIS integration
2. **Skill-specific**, role-tailored **candidate evaluation**
3. Gamified challenges for technical validation
4. **Enterprise workflow** integration
5. **Data-driven insights** and hiring impact metrics

## Feasibility

1. **Economic** – Low-cost development using pre-trained AI, multiple revenue streams, and reduced hiring expenses.
2. **Technical** – Cloud-based, scalable AI with modular architecture, GDPR compliance, and cross-platform support.
3. **Market** – Growing HR tech market, AI-driven hiring automation, and expansion in recruitment and training.
4. **Social** – Bias-free hiring, diversity support, AI-driven coaching, and accessibility for all candidates.



# Results

Hire360.ai

[Dashboard](#) [Profile](#)

## Candidate Portal

### Upload Your Documents

[Upload Resume](#)

[Link LinkedIn](#)

### Your Application Progress



### Preparation Tips

- Update your resume and LinkedIn profile with relevant skills
- Prepare for technical questions and coding challenges

# Results

Hire360.ai

DashboardCandidatesReportsSettings

POSITIONS

Frontend Developer

Backend Developer

Data Scientist

Product Manager

FILTERS

All Candidates

Shortlisted

Rejected

In Progress

Frontend Developer Candidates (12)

In Progress

5

Shortlisted

4

Rejected

3

JS

James Smith

5 Years Experience • React, Node.js

87%

Review

More

AR

Amy Rodriguez

3 Years Experience • Vue.js, TypeScript

92%

Review

More

DK

David Kim

7 Years Experience • Angular, JavaScript

65%

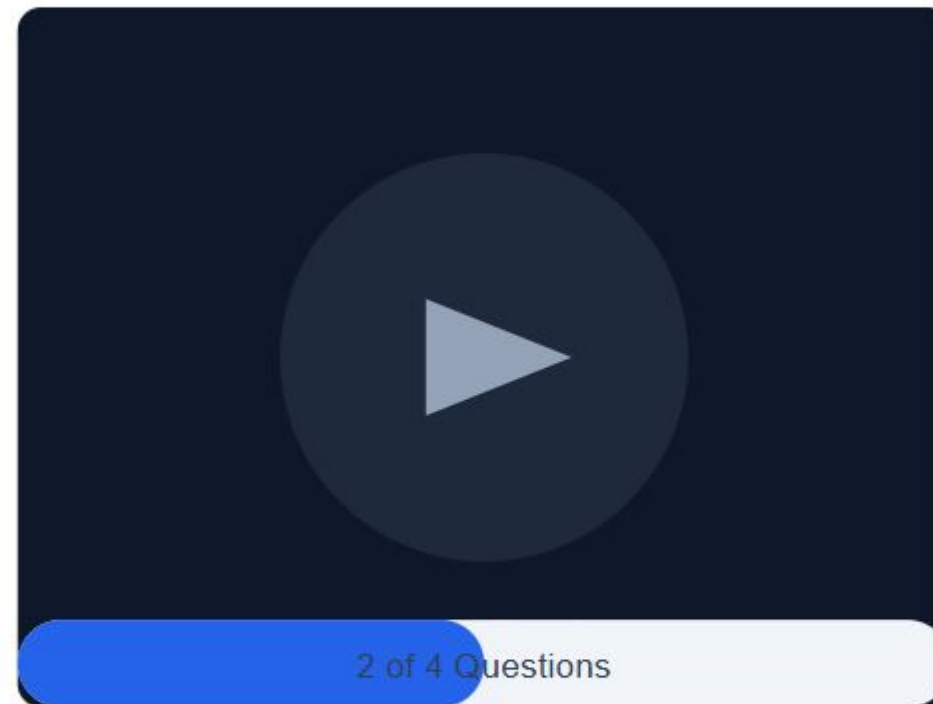
Review

More

# Results

Hire360.ai

## AI-Driven Interview



### Current Question:

Describe your experience with implementing REST APIs. How would you handle

...

Skip (0/1)

1:45

Time Left

Type your response here...

Previous Question

Next Question

# Results

Hire360.ai

DashboardCandidatesReportsSet

AR

Amy Rodriguez

Frontend Developer • 3 Years Experience

Interview Date: 03/07/25

Overall Score

92%

Top 10%

Code Quality Evaluation

Efficiency: 9/10

Readability: 9.5/10

Best Practices: 8/10

Facial & Voice Analysis

Confidence: 8.5/10

Clarity: 9.5/10

Engagement: 9/10

AI Interview Report Summary

Amy demonstrated excellent technical knowledge of Vue.js and TypeScript. Her code solutions were well-structured, efficient, and followed best practices. She communicated clearly and confidently, providing detailed explanations of her problem-solving approach.

Shortlist Candidate

Schedule Interview

Reject & Send Feedback



# Results

Hire360.ai

## Interview Feedback

Thank you for completing your interview!



### Interview Successfully Completed

Your responses have been recorded and will be reviewed.

## Your Performance Summary

### Code Challenge

A

Time to complete: 12:34 min

Passing tests: 4 of 5

Approach:

### Technical Questions

A+

Questions answered: 5 of 5

Technical accuracy:

Communication:

### Next Steps

1. Our team will review your interview results within 3-5 business days.
2. You'll receive feedback and next steps via email at person@example.com
3. If selected, you'll be invited for a follow-up interview with the hiring team.

# Results

Hire360.ai

## AI Profile Analysis

Based on your resume and LinkedIn profile

### Skills Match - Frontend Developer



Strong: React, JavaScript, CSS  
Good: TypeScript, UI/UX  
Missing: Vue.js, Testing

### Experience Analysis



### Personalized Interview Questions

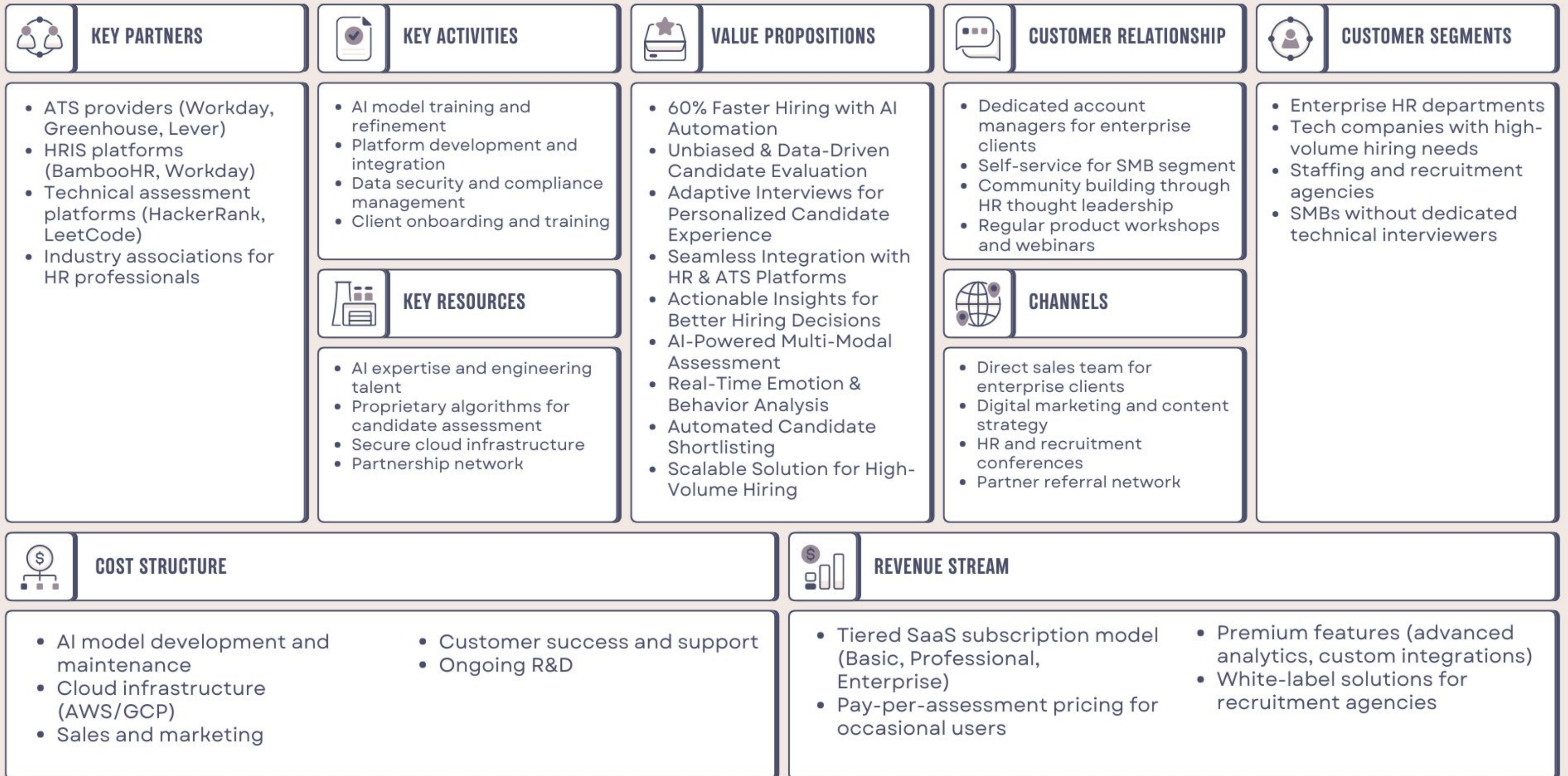
- Tell us about your experience with React's component lifecycle.
  - How do you handle state management in large-scale applications?
- [View All 12 Questions](#)

Start AI Interview Now

Schedule for Later



# Business Canva



## Team Description

NAME	YEAR	BRANCH	EMAIL ID
Aditya Raorane	THIRD	INFT	2022.aditya.raorane@ves.ac.in
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