 Logic Trending Jobs System:

 Core Concept:

Trending = "Jobs đang hot" dựa trên user behavior và thời gian

 Factors quyết định Trending:

1. User Engagement Metrics:

- **View Count**: Bao nhiêu người xem job
- **Save Count**: Bao nhiêu người lưu job
- **Application Count**: Bao nhiêu người apply
- **Search Frequency**: Job xuất hiện trong search bao nhiêu lần

2. Time Factor:

- **Recency**: Jobs mới post gets boost
- **Momentum**: Tăng trưởng engagement trong thời gian ngắn
- **Decay**: Jobs cũ giảm trending score theo thời gian

3. Quality Indicators:

- **Company reputation**: Big companies → higher weight
- **Salary attractiveness**: High salary → more trending potential
- **Job type popularity**: Popular roles (Developer, PM) → boost

⚖ **Scoring Algorithm Logic:**

Weighted Formula:

```
Trending Score = (Views × 1) + (Saves × 3) + (Applications × 5) +
                 (Recency Boost) + (Industry Popularity) + (Salary Appeal)
```

Weight Reasoning:

- **Views (1x)**: Easy action, lowest value
- **Saves (3x)**: Shows real interest
- **Applications (5x)**: Highest commitment, most valuable
- **Recency Boost**: Fresh jobs get 2-7 days advantage
- **Location Factor**: Jobs in major cities get slight boost

⬜ Ranking Logic:

Daily Calculation Process:

1. **Collect Data**: Gather all engagement metrics từ last 30 days
2. **Calculate Scores**: Apply weighted formula cho từng job
3. **Rank Jobs**: Sort by score, assign ranking 1, 2, 3...
4. **Mark Trending**: Top 50-100 jobs marked as "trending"
5. **Update Display**: Frontend shows ranked trending jobs

Categories:

- **Overall Trending**: All jobs across industries
- **Industry Trending**: Hot jobs per industry (Tech, Finance, etc.)
- **Location Trending**: Hot jobs per city
- **Experience Level**: Entry, Mid, Senior trending separately

⬜ Real-time vs Batch Processing:

Real-time Updates:

- User views job → Increment view count immediately
- User saves job → Increment save count immediately
- User applies → Increment application count immediately

Batch Processing (Scheduled):

- **Every Hour**: Recalculate trending scores
- **Daily**: Update rankings và trending status
- **Weekly**: Reset old data, cleanup expired jobs

Display Logic:

Frontend Presentation:

- **Trending Badge**: "#1 Trending", "#2 Trending"
- **Hot Indicator**: Fire icon, " Hot"
- **Rising Fast**: Arrow up "↗ Rising"
- **Momentum Info**: "+25% applications this week"

Filtering Options:

- **All Trending**: Mixed industries
- **By Industry**: "Trending in Technology"
- **By Location**: "Hot jobs in Ho Chi Minh City"
- **By Experience**: "Trending for Mid-level"

Business Intelligence:

Analytics Tracking:

- **Which types of jobs trend most?**
- **What makes a job go viral?**
- **Industry trending patterns**
- **Seasonal trending shifts**
- **User behavior insights**

Company Benefits:

- **Trending jobs get more visibility**
- **Companies can see job performance**
- **Optimization insights**: "Post on Tuesday for best reach"

Advanced Features:

Personalized Trending:

- **User's industry preference** affects their trending view
- **Location-based trending** for user's area
- **Experience level matching**

Predictive Trending:

- **Jobs likely to become trending** (early indicators)
- **Seasonal predictions**: "Tax season → Accounting jobs will trend"
- **Market trend analysis**: "AI jobs trending upward"

⚙ Technical Considerations:

Performance:

- **Caching**: Trending results cached for fast loading
- **Indexing**: Database indexes on trending fields
- **Batch Updates**: Avoid real-time calculation overhead

Data Integrity:

- **Spam Protection**: Prevent fake views/saves
- **Data Validation**: Clean engagement data
- **Historical Tracking**: Keep trending history for analysis

📊 Success Metrics:

KPIs:

- **Click-through Rate**: Trending section → Job details
- **Application Rate**: Trending jobs vs regular jobs
- **User Engagement**: Time spent on trending section
- **Business Impact**: More companies want trending visibility

🔄 Tóm tắt Logic Flow:

User Interactions → Data Collection → Score Calculation → Ranking → Display → More Interactions → Cycle continues

Goal: Surface the most relevant, attractive jobs dựa trên collective user wisdom và real-time market demand.

Trending = Community-driven job recommendation system! 🚀