

Python (FastAPI backend and UI)

A candidate lifecycle management system to search, display, and analyze employee information using HROne APIs. The system supports real-time data fetch and visualization for various employee metrics.

Functionalities:

- Search Employee: Autocomplete-enabled search using employee code or name.
 - Employee Details: View personal info, experience, education, skills, and performance.
 - Experience: Automatically calculates and displays total and current experience.
 - Performance: Displays review ratings, scores, and a visual chart using Chart.js.
 - Responsive UI: Clean, mobile-friendly UI with Bootstrap and dynamic JS interactions.
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1. Database/API Integration

- All data is fetched in real-time from HROne APIs using employee code or name.
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2. Backend (FastAPI)

API Endpoints:

- POST/search: Search employee by code or name (auto-suggestions).
 - GET /employee/detail/{employee_code}: Get personal details.
 - GET /employee/work/{employee_code}: Get work history.
 - GET /employee/education/{employee_code}: Get education details.
 - GET /employee/hobbies/{employee_code}: Get hobbies and skills.
 - GET /employee/aboutme/{employee_code}: Get "about me" section.
 - GET /employee/performance/{employee_code}: Get performance data.
 - GET /: Serve frontend.
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3. Frontend (index.html + JS)

UI Components:

- Search Bar: Search employees with auto-suggestion dropdown.
- Personal Info Card: Name, email, phone, department, etc.
- Work History Timeline: Company, role, duration, job description.
- Education Details: Degree, specialization, institute, etc.
- Hobbies & Skills: Displays hobbies and technical skillset.
- Performance Chart: Visualizes review and competency scores.
- Notifications: Info/error alerts for user interactions and API calls.