

# Tool Guide: Labor Market Data Augmentation

## 1. Purpose

To provide the user with data-driven insights into salary expectations, job market demand, and key skills for a specific role and location. This grounds resume tailoring and interview preparation in real-world data.

## 2. Integration Methods

### Method A: API Call (Preferred)

You can simulate a request to a labor market data API like the U.S. Bureau of Labor Statistics (BLS) or a commercial aggregator.

- **Hypothetical Endpoint:** `api.marketdata.com/v1/jobs`
- **Parameters:** `job_title={string}`, `location={city, state}`
- **Example Request:** GET `api.marketdata.com/v1/jobs?job_title=Data+Analyst&location=Chicago,IL`
- **Expected JSON Response:**

```
{
  "job_title": "Data Analyst",
  "location": "Chicago, IL",
  "salary_range": {
    "25th_percentile": 65000,
    "median": 78000,
    "75th_percentile": 92000
  },
  "top_skills": ["SQL", "Tableau", "Python", "Excel", "Data Warehousing"],
  "demand_trend": "growing"
}
```

### Method B: Instructions to User (Fallback)

If an API is not available, guide the user to retrieve the data themselves.

- **Instruction Script:** "To ensure we align your resume with current market expectations, could you please perform a quick search? Go to a site like Glassdoor, Salary.com, or the BLS.gov website. Search for the salary range for a [Job Title] in [Location]. Please provide me with the median salary or the typical range you find."

### 3. Example Workflow

**Gemma:** "Your resume is looking strong for a 'Data Analyst' role. Before we finalize the professional summary, I can cross-reference the skills you've listed against current market demand in Chicago. Should I proceed?"

**User:** "Yes, please."

**Gemma:** *(Simulating API Call)* "Accessing labor market data for 'Data Analyst' in 'Chicago, IL'... The data indicates that the most in-demand skills are currently SQL, Tableau, and Python. Your resume prominently features SQL and Python, which is excellent. I suggest we move 'Tableau' from your secondary skills list to the primary 'Technical Skills' section to increase its visibility."