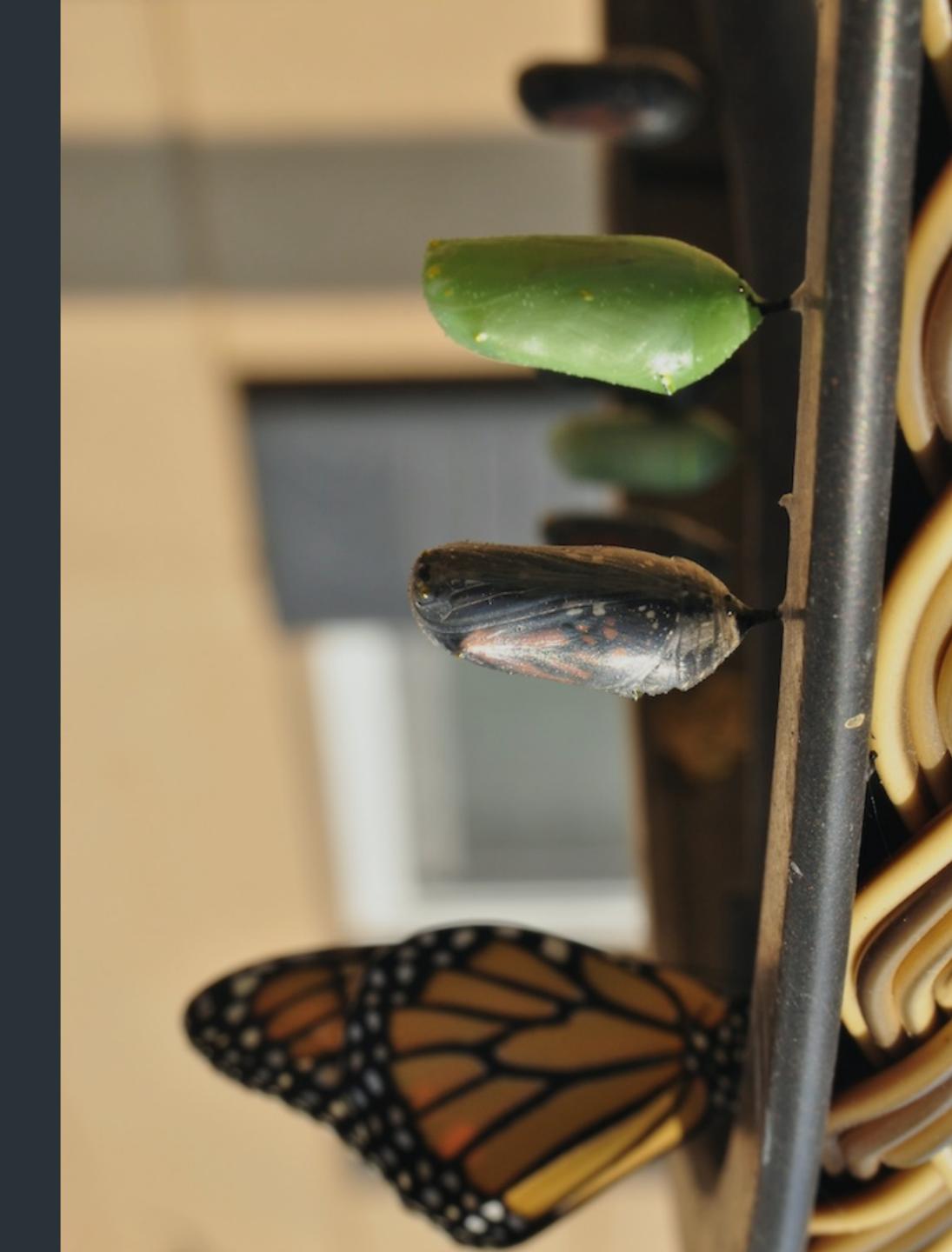
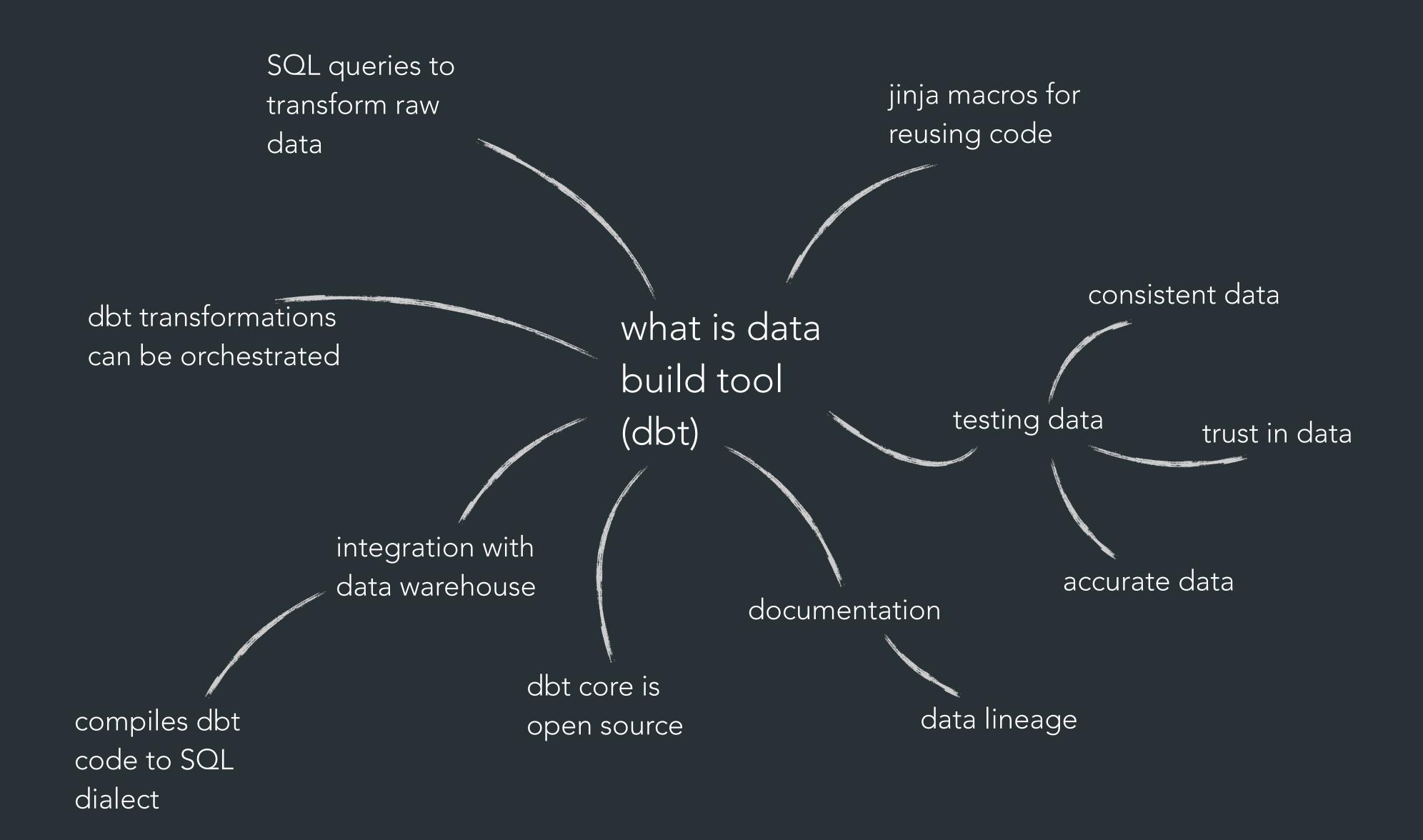
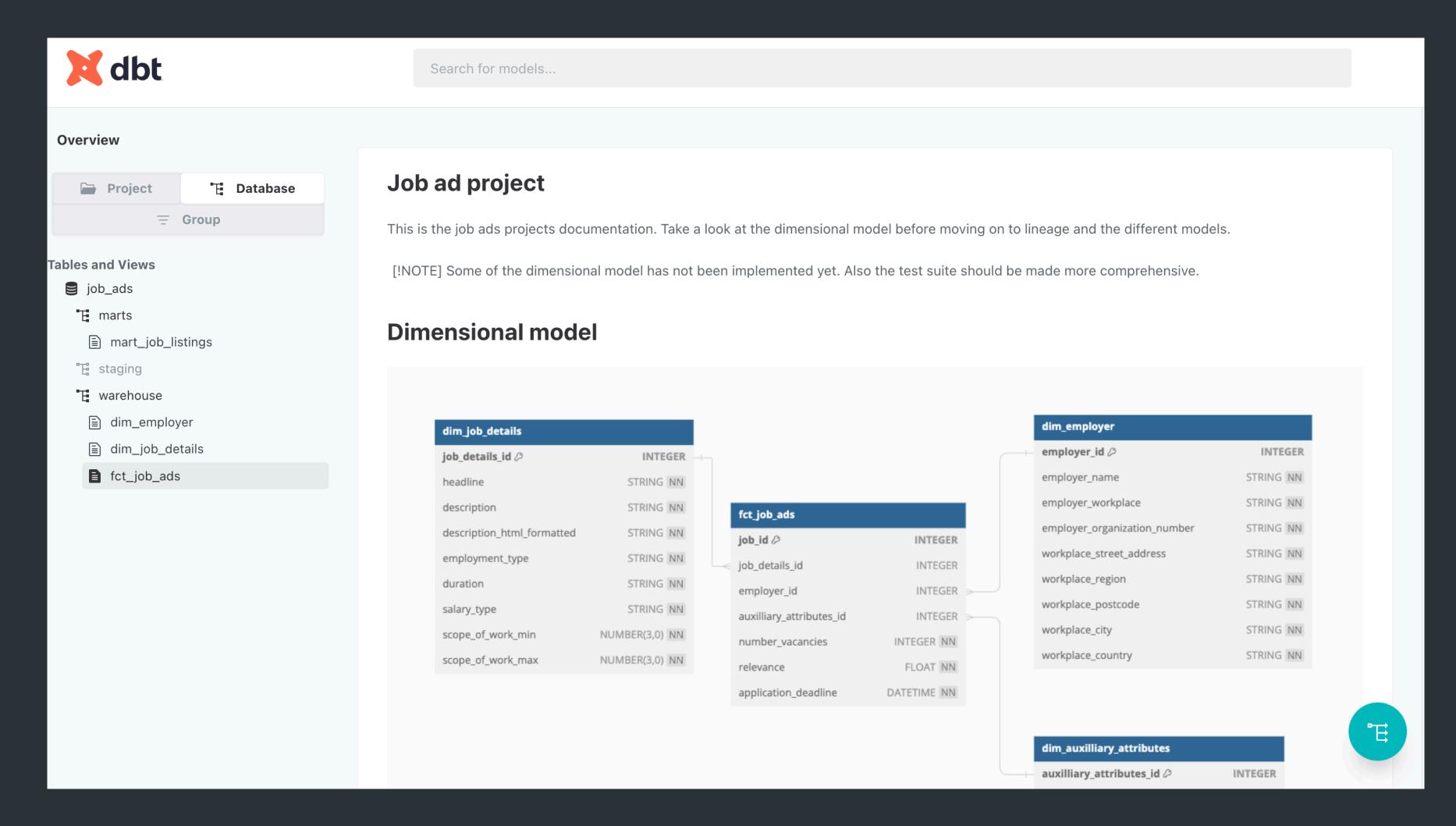
kokchun giang

using dbt to
transform and refine
the data into

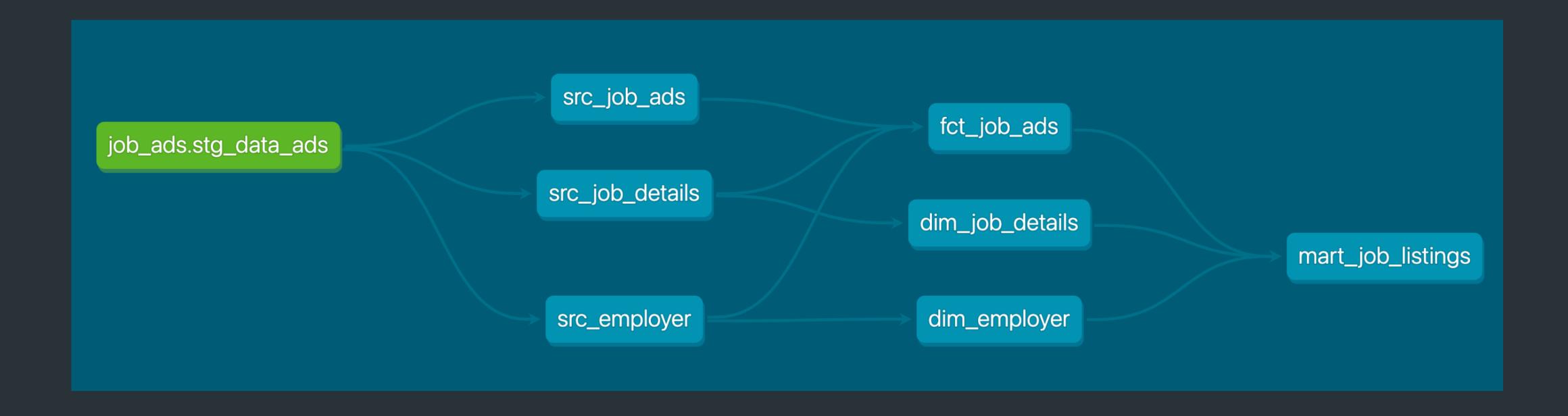




web-based autogenerated **documentation** to understand the data models



data lineage to visualize how data flows through various transformations



source code is compiled to snowflake code

jinja macros

```
Source Compiled
     WITH ja AS (SELECT * FROM {{ ref('src_job_ads') }}),
        AS (SELECT * FROM {{ ref('src_job_details') }}),
     e AS (SELECT * FROM {{ ref('src_employer') }})
     SELECT
          {{dbt_utils.generate_surrogate_key(['jd.id', 'jd.headline'])}} AS job_details_key,
          {{dbt_utils.generate_surrogate_key(['e.id', 'e.employer_name'])}} AS employer_key,
          {# TODO: key to junk dimension #}
          relevance, -- if null, aggregation functions can handle it properly
 11
          coalesce(vacancies, 1) as vacancies,
          application_deadline
          -- for verifying FK relationships work
 13
 14
          {# jd.id,
          e.workplace_city,
 15
          e.employer_name,
          jd.description #}
          ja
      LEFT JOIN
          jd ON ja.id = jd.id
     LEFT JOIN
          e ON ja.id = e.id
```

```
Compiled
    WITH __dbt__cte__src_job_ads as (
   WITH stg_job_ads AS (SELECT * FROM job_ads.staging.data_field_job_ads
        id,
        headline,
        number_of_vacancies AS vacancies,
        relevance,
        application_deadline
    FROM stg_job_ads ORDER BY application_deadline ASC
       __dbt__cte__src_job_details as (
16
17
   WITH stg_job_ads AS (SELECT * FROM job_ads.staging.data_field_job_ads
19
20
       headline,
        description__text AS "DESCRIPTION",
        description text formatted AS description html formatted
```

file structure of a dbt project

