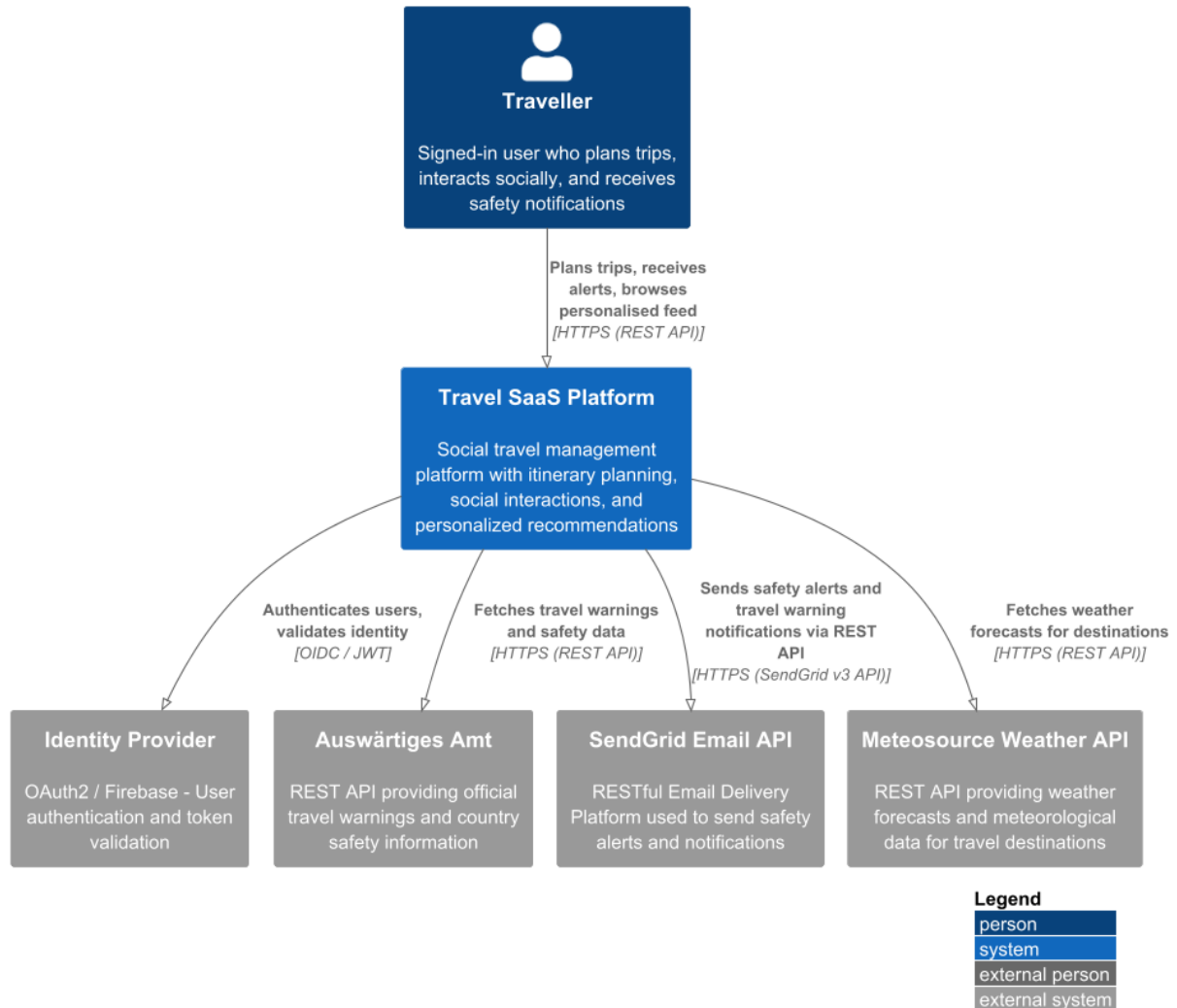
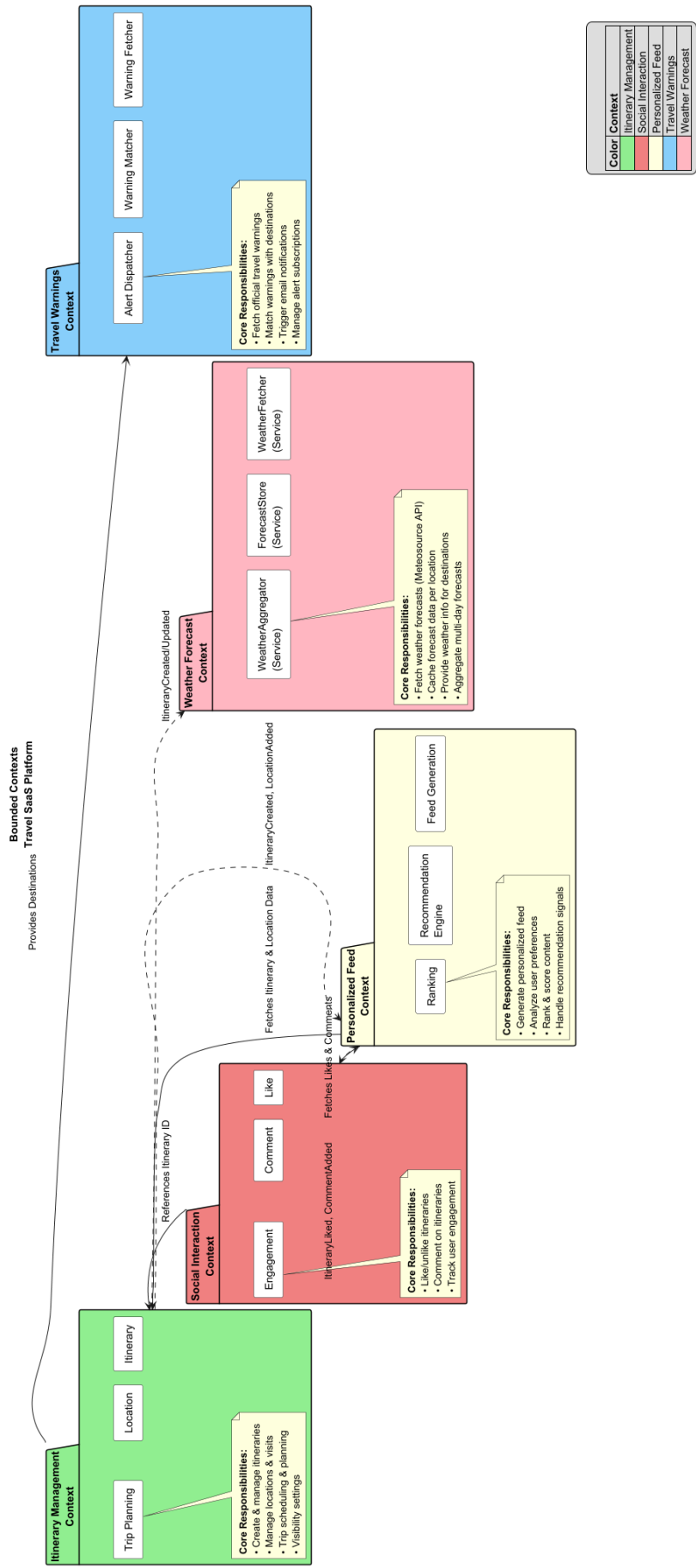


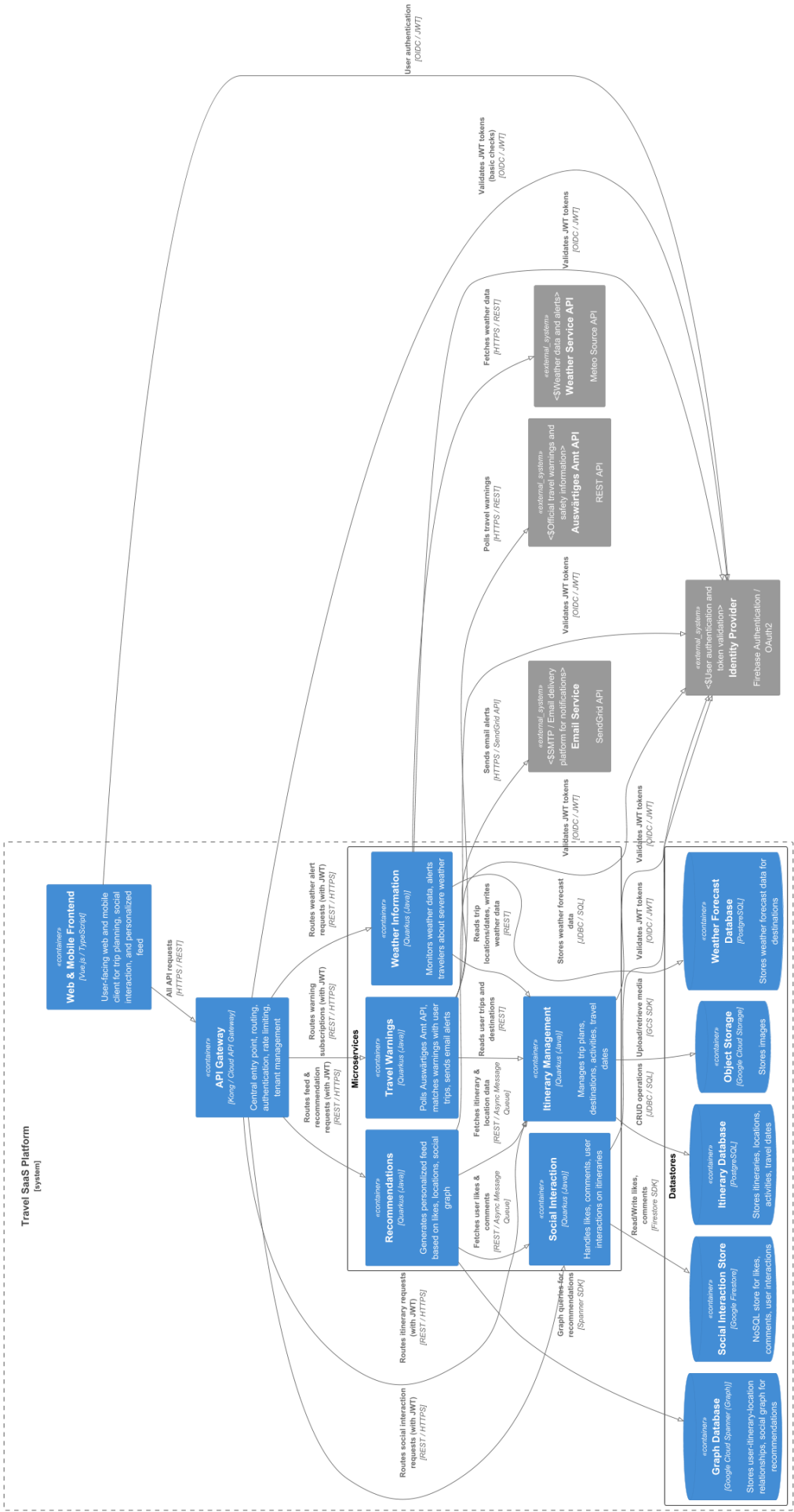
# System Context Diagram



# Domain Model with Bounded Context



# Software Architecture Diagram



## Epic - Personalized Live Feed

### **Epic:** Personalized Live Feed

**Summary:** As a traveller, I want a single feed page that recommends itineraries and travel stories from other travellers that are relevant to me, so I can discover interesting trips and inspirations.

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## User Stories

### Story 1 — See and Explore Suggestions on Feed Page

**As a traveller,** I want to open a Feed page and immediately see suggested itineraries and travel stories that might interest me, and be able to view their details to learn more.

#### **Acceptance Criteria:**

1. The feed page displays a list of suggested itinerary tailored to the traveller.
  2. Each card shows at least: title, short description, traveller name and number of likes.
  3. Items are ordered by relevance based on social signals (likes and shared destinations).
  4. Clicking or tapping a card opens the itinerary detail page.
  5. From the detail view, the user can return to the feed without losing position or state.
- 

### Story 2 — Discover Itineraries from Travellers Who Visited the Same Places

**As a traveller,** I want to see itineraries from travellers who visited destinations I've been to or plan to visit, so I can find relevant inspiration.

#### **Acceptance Criteria:**

1. The feed surfaces itineraries tagged with destinations that match my visited or planned locations.
  2. When applicable, the card includes a short label explaining the match (e.g., "From travellers who visited: [Destination]").
  3. These itineraries are prioritized alongside other relevance signals.
  4. The feature only uses destinations the user has explicitly marked as visited or planned.
- 

### Story 3 — Refine Recommendation Algorithm with Social Signals and Basic Feed

**As a traveller,** I want the feed to prioritize popular itineraries with more likes and automatically fall back to a basic feed with the most recommended content when I'm new and have no personalization data yet, so I can always discover high-quality travel inspiration.

**Acceptance Criteria:**

1. The recommendation algorithm prioritizes itineraries with higher like counts as a key relevance signal.
2. Itineraries with more likes appear higher in the personalized feed when other relevance factors are equal.
3. When a new traveller has no personalization data (no visited/planned destinations), the feed automatically shows a “basic feed” with the most liked and recommended itineraries across all travellers.
4. The basic feed serves as a fallback for users without sufficient personalization data, not as a separate view.
5. As users add visited/planned destinations, the feed gradually transitions from basic to personalized recommendations.
6. The algorithm balances popularity (likes) with personalization (shared destinations) to avoid showing only viral content once personalization data is available.

# EPIC — Travel Safety Information System

## Goal:

As a traveller, I want timely, relevant safety information for my destinations so I can make informed decisions and stay safe.

## User Story 1 — Receive Timely, Relevant Safety Alerts

As a traveller **I want to** receive notifications when safety conditions change in countries I'm visiting during my travel dates **so that** I can respond quickly to risks that actually affect my trip.

### Acceptance Criteria:

- Alerts are triggered only for countries in my itinerary
- Notifications are sent only when warnings overlap with my travel timeframe
- Alert severity is clearly indicated (e.g., Minor, Moderate, Severe, Critical)

## User Story 2 — Understand Safety Changes Quickly

As a traveller **I want to** see a clear, concise summary of what changed and how it impacts me **so that** I can assess the situation without reading lengthy documents.

### Acceptance Criteria:

- Summary highlights: what changed, when, severity level, and recommended actions
- Summary is scannable (bullet points, clear sections)

## User Story 3 — Access Comprehensive Safety Information

As a traveller **I want to** view detailed, organized safety information for my destinations (security, nature & climate, general travel information, documents, duty, health, etc.) **so that** I can prepare thoroughly and access reference material when needed

### Acceptance Criteria:

- Information organized into clear categories: Security, Nature & Climate, General Travel Information, Documents, Duty, Health, Others
- Link to full official travel advisory available

# EPIC — Weather Forecast for Travel Destinations

## Goal:

As a traveller, I want to see weather forecasts for my planned destinations so I can pack appropriately and plan activities based on expected conditions.

## User Story 1 — View Weather Forecast for My Destination

As a traveller **I want to** see weather forecasts for each location in my itinerary **so that** I can prepare for the expected conditions and pack appropriately.

### ### Acceptance Criteria:

- Weather forecast is displayed on the itinerary detail page for each location
- Forecast covers my planned travel dates for that location
- Each day shows temperature (high/low), weather condition (sunny, rainy, etc.), and precipitation probability
- Weather icons make conditions easy to understand at a glance

## User Story 2 — Check Latest Weather Before Departure

As a traveller **I want to** see updated weather forecasts as my trip date approaches **so that** I can adjust my packing and plans based on the most current predictions.

### ### Acceptance Criteria:

- Weather forecast is automatically refreshed (at least daily)
- Forecast shows last update timestamp
- I can access the latest forecast at any time before departure