1. Environment Overview
1.1. Environments Description

The project will follow a **multi-environment strategy** to support development, testing, and production workloads.

Environment	Purpose
DEV	Development and unit testing
TEST	UAT (Business Testing)
PROD	Live production workloads

a) Development (DEV)

Purpose

- Development of APIs, Bedrock Knowledge Base, and integrations for internal usage only
- Unit testing and early integration testing
- Validation of GPT responses and knowledge accuracy

Characteristics

- Frequent code changes and deployments
- Mock or sample data
- Lower-cost AWS configurations
- Debug-level logging enabled

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b) UAT

Purpose

- Business Validation
- Performance testing

Characteristics

- Masked or anonymized data
- Restricted access

AWS Components

- Same configuration as Production
- Load and performance testing enabled

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c Production (PROD)

Purpose

- Live, customer-facing environment

Characteristics

- High availability and scalability
- Strict security and compliance controls
- Real-time data ingestion

Each environment will be isolated using **logical isolation**

1.2. AWS Account Details

Item	Value
AWS Region	`us-west-2`
AWS IAM Role Naming	`platform-team-role-{team_id}`
AWS Accounts	Pipelines: 800004833431