Heritage Treasure

An In-Depth Analysis of UNESCO World Heritage Sites Solution Architecture

1. High-Level Architecture Overview

Layer	Component	Description
Presentation	Web & Mobile App	User interface for users
Application	Business Logic Server	Handles user requests
Data	Heritage Database	Stores site information
Integration	UNESCO API	Fetches updates
Analytics	Data Analysis Engine	Risk & visitor analysis
Security	Authentication System	User access control

2. Core Functional Modules

Module Name	Purpose
Site Repository	Stores heritage site information
Risk Monitoring	Tracks endangered sites
Virtual Exploration	360 site viewing
Cultural Insights	Historical & cultural data
Admin Dashboard	Manage & update data

3. Data Flow Architecture

Step	Process	Output
1	User Login	Authentication Token
2	Search Request	Site Data
3	Data Processing	Filtered Results

Step	Process	Output
4	Analytics	Graphs & Insights
5	Display	UI Visualization