**Project Design Phase**
**Solution Architecture**

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| Date | 1 July 2025 |
| Team ID | LTVIP2025TMID49753 |
| Project Name | Heritage Treasures : An In-Depth Analysis of UNESCO World Heritage Sites |
| Maximum Marks | 4 Marks |

## Solution Architecture:

Our solution architecture outlines the digital platform "Heritage Treasures," aimed at reviving and promoting UNESCO World Heritage Sites through technology. This architecture bridges the gap between cultural heritage and modern digital engagement using a robust technical design.

- Provides interactive virtual tours using WebVR and 360° content.

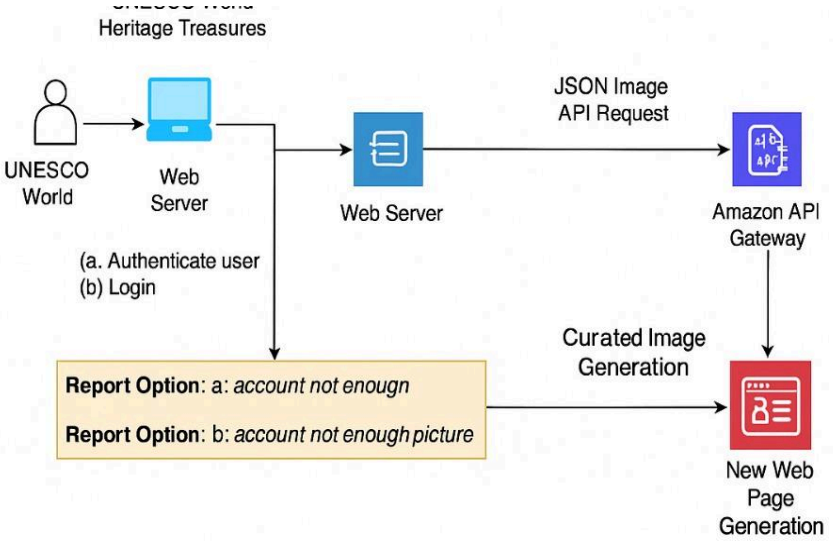
- Integrates multilingual storytelling and gamified learning with quizzes, achievements, and shareable content.

- Supports scalable backend APIs to manage site data, user interaction logs, and dynamic content delivery.

- Incorporates cloud storage and a modular design for easy addition of heritage sites and languages.

- Ensures cross-platform support (web & mobile) for wider accessibility. This architecture ensures performance, scalability, and immersive user experience aligned with educational and

## Example - Solution Architecture Diagram:




**Reference:**
https://aws.amazon.com/blogs/industries/voice-applications-in-clinical-research-powered-by-ai-on-aws-part-1-architecture-and-design-considerations/