Building a GLAM ecosystem: Human and machine collaborations for digitized collections

October 26, 2020

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Project Goals

• Increase the discoverability and use of digitized cultural collections at Notre Dame
• Strengthen the collaboration between the campus libraries and art museum
• Further integrate innovative technologies into the library and museum ecosystem (IIIF)
Community Engagement
Teams

- Content
- Metadata
- Workflows
- Technology
Challenges

- Sourcing Metadata
- Asset management
- Record curation
Architecture

Metadata Processing

EmbARK
Aleph
ArchiveSpace
Ad Hoc

Normalization → Data Enrichment → Serialization → Persistence
Architecture

Site Builder

Metadata Store  GraphQL  Gatsby

Page Store

Site Pages
Result Fragments
Collection Level
Item Level

SPA
Architecture

Red Box

Metadata Store

Image Store

Red Box UI

Record Association

Record Enhancement

Metadata Store

Site Builder
Future challenges

- Open Source
- Data Sourcing
- Metadata quality
- Digital Asset Management
- Continuous Improvement
Contact us!

https://innovation.library.nd.edu/marble/

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Thank you! And stay safe...