

AI Enablement Content Pipeline

AI-powered system for scalable, multi-format content generation

The Problem	The Solution
<ul style="list-style-type: none">• Content creation is manual and time-consuming• Inputs are scattered across docs, links, and stakeholders• Outputs are inconsistent across formats• Teams rewrite the same content repeatedly	<ul style="list-style-type: none">• Structured intake captures consistent inputs• AI generates multiple content outputs from a single source of truth• Content stays aligned across formats• Workflow supports real-world iteration• Designed to integrate into real-world content workflows rather than function as a standalone generation tool

How It Works

Input

- Feature details
- Documents
- URLs

AI Pipeline

- Content extraction
- **Structured input modeling**
- Template-driven LLM generation

Outputs

- Articles
- Video scripts
- Release notes
- Campaign content

System Design

- Structured intake layer for consistent inputs
- Content extraction from source materials
- **Template-driven AI generation for consistent outputs**
- Review and iteration workflow with version control
- Metrics tracking to measure performance and adoption

Key Capabilities

- **Multi-output generation from a single source**
- Template-driven prompt design
- Content extraction from documents and links
- Workflow-aware design for real teams
- Scalable architecture

Technology

Bedrock (Claude) • Next.js • PostgreSQL • S3 • Cognito
AI-assisted development tools

Impact

- **Reduces manual content creation effort**
- Improves consistency across formats and teams
- Enables scalable, repeatable content workflows
- Produces production-ready outputs aligned to real use cases