PHASE 1 — CORE SPINE & HOSTING

Objective: Deploy a secure, multi‑region backbone for Jermaine Action AI.

Step‑by‑Step

1. Hosting Setup

• Sign in to Azure

• Create Resource Groups:

• (US East or West)

• (South Africa North)

• (UAE North)

• (West Europe)

• Enable Traffic Manager for multi‑region failover

• Add Azure CDN for edge caching

2. Security Layer

• Enable Azure Active Directory with role‑based access

• Create Azure Key Vault for API keys (YouTube, CMS, etc.)

• Turn on encryption at rest + in transit

• Enable Azure Monitor + Log Analytics for audit trails

3. Core AI Spine Shell

• Build a dashboard shell (React, Next.js, or Bubble for MVP)

• Add chat input + action buttons

• Set up Logic Apps or n8n for “trigger → action → confirmation” flows

• Create Blob Storage for media + Cosmos DB/PostgreSQL for metadata

4. Regional Awareness

• Add + tags to each account

• Set routing rules to nearest compute region

• Leave placeholders for language packs & compliance rules

5. Testing

• Ping test from each region

• Attempt API calls without keys (should fail)

• Simulate failover to confirm rerouting

✅ End of Phase 1 Deliverable:

A secure, multi‑region AI backbone with a working dashboard shell, ready for the first module.

PHASE 2 — CONTENT OPS MODULE

Objective: Automate YouTube uploads with metadata, SEO, and confirmation logs.

Step‑by‑Step

1. Define Inputs

• Video file location (Azure Blob or Google Drive)

• Metadata template (title, description, tags, thumbnail path)

2. YouTube API Setup

• Create a Google Cloud Project

• Enable YouTube Data API v3

• Generate OAuth credentials and store in Azure Key Vault

3. Automation Flow

• Trigger: “Upload latest finance video”

• Action:

• Pull video from storage

• Apply metadata template

• Upload via YouTube API

• Confirmation:

• Send status log to email/Slack with video link

4. SEO Optimization

• Auto‑insert region‑specific keywords

• Add local currency symbols in titles/descriptions

• Include culturally relevant hashtags

5. Testing

• Run with a test video

• Verify metadata accuracy

• Confirm notification delivery

✅ End of Phase 2 Deliverable:

A working Content Ops module that uploads videos with optimized metadata and sends confirmation logs.