# AppForge MVP: Deferred Features with Rationale and Post-Launch Plan

## Trend Scraper & Signal Hub

* **Tumblr & Pinterest scrapers**
* **Why not necessary now:** Adds maintenance complexity for low-value signal.
* **Post-launch plan:** After validating core trends, extend existing scraper modules to include these sources.
* **Mastodon integration**
* **Why not necessary now:** Low-volume and federated complexity without immediate ROI.
* **Post-launch plan:** Plug in as a new source via the modular scraper framework once primary channels prove effective.
* **Multi-region proxy/residential IP rotation**
* **Why not necessary now:** Single-region scrapes with retry logic suffice for MVP.
* **Post-launch plan:** Introduce region-specific scraper containers and integrate proxy rotation when scaling.

## Infrastructure & Data Storage

* **Global MongoDB clusters (US/EU/APAC)**
* **Why not necessary now:** Single-region cluster offers enough redundancy and lower cost.
* **Post-launch plan:** Add regional shards/replicas and update connection URIs when user base grows.
* **Extensive archival rules (Glacier/Coldline after 90 days)**
* **Why not necessary now:** Data volume small; simple lifecycle transitions are sufficient.
* **Post-launch plan:** Configure S3 lifecycle policies to transition data to Glacier/Coldline based on usage metrics.

## Three-Layer Innovation Pipeline (Future Stages Only)

* **PWAs & voice skills (Alexa, Google Home)**
* **Why not necessary now:** MVP focuses on core web/mobile apps; voice adds extra scope.
* **Post-launch plan:** Leverage PWA framework and integrate voice assistant plugins in a later release.
* **AR loop visualizations (ARKit/ARCore)**
* **Why not necessary now:** Core engagement metrics need validation first.
* **Post-launch plan:** Build AR modules with ARKit/ARCore once Loopr usage warrants advanced visuals.
* **Blockchain-based loyalty tokens & NFT grants**
* **Why not necessary now:** Crypto complexity increases regulatory risk and user friction.
* **Post-launch plan:** Develop token smart contracts and wallet flows after stable user growth.
* **Asset marketplace & partner dashboards**
* **Why not necessary now:** No partner ecosystem at MVP stage.
* **Post-launch plan:** Create marketplace microservice and UI dashboard when partners are onboarded.

## Complex App Forge Extras

* **Graph DB for narrative story graphs (Neptune/Neo4j)**
* **Why not necessary now:** JSON/document storage suffices for branching data in MVP.
* **Post-launch plan:** Migrate story data to a graph DB for performance when narrative complexity grows.
* **HealthKit/Google Fit wearable integration**
* **Why not necessary now:** Manual entries validate loop mechanics without device sync.
* **Post-launch plan:** Use HealthKit/Google Fit SDKs to sync user metrics in future updates.
* **AI lip-sync filters & live rooms**
* **Why not necessary now:** Plain audio feed covers engagement without heavy media processing.
* **Post-launch plan:** Integrate media servers and filters for real-time lip-sync and live rooms later.
* **2026-style “Meme Remix” NFT marketplace**
* **Why not necessary now:** Non-essential for core prototyping and user tests.
* **Post-launch plan:** Extend marketplace microservice to support NFTs and wallet features when ready.