Social Media Posts Scheduler SaaS with MCP

Working Explained

Client (Browser)

Client Allows

- = CONTENT TYPES
- Text
- Image
- Video
- = AUTOMATION
- Scheduling
- Drafting
- Rescheduling
- MCP Servers (New)

Server (Backend)

Server Provides

- Functions
- Expose APIS
- 53 bucket connection
- Database connection
- Listen's to webhooks
- Send data to Schedulers
- Use APIs of social media

DATA FLOW

Direct Posts

- -> Text
 - -> we send cURL request to API directly
 - -> Obviously, first we save in db, so that if request fails, we retry

-> Media

- -> We first upload to 53
- -> Then save the URL and caption in db
- -> Then upload media to social media API
- -> Then post together
- -> If thread, carousel we implement for loop

->Scheduled Posts

- -> If blob (img/video/gif type), we upload to our S3 first, then
- -> We send the request to a Scheduler to remind us at this time
- -> Then when it's time, scheduler send us message back with body and ID
- -> We upload data to social media API
- -> Then post together (mediaID and caption text)

Guardrails

- -> Check media upload size
- -> Check wether the bucket is public URL, or not
- -> Whenever possible share presigned URLs to Social media API
- -> If failed, let scheduler retry with a rate limit
- -> when something is deleted, make sure to update scheduler or 53 bucket