Plugger Technical Breakdown

This is just a top-level breakdown of the system functionality. For specific function, refer to the "Plugger Specs" document.

BACKEND

- Laravel (PHP)
- MySQL
- REST API

FRONTEND

- Vue JS
- Vuex (State Management)
- Bootstrap / Tailwind CSS

HOSTING

- VPS/AWS
- SSL Certificate

OTHER

- Swagger API Documentation / Postman

DEV OPS

- GitHub

TECHNICAL REQUIREMENTS

- Landing Page (minimalistic but modern)
- "Charting" system
  - physical & digital sales stats
  - music & video streaming stats
  - radio airplay stats
  - tv airplay stats
- Music Distribution (to ZIMURA, radio & tv stations)
- Accounts & User Roles
  - 2FA (2 Factor Authentication) – send SMS
  - Types: [Admin, Artist, ZIMURA, Radio, TV, Publisher, Shop, Consumer]
- Player
  - Stream Music Videos & Music on subscription
  - Content is only accessible through the player
  - Only Radio & TV stations can download
- Content Submission
  - Artists can upload & update music & videos
- Payment System
  - Integrate with Paynow
  - Shops pay a subscription fee for a month to stream content
- Web & Push Notifications (new uploads & submissions)
  - New submissions

- Strong form validation

- Content ID (uuid for each uploaded media)

  - **PLG**(for plugger)-**202X**(year of release)-**XX**(Initial of Artist Birth Name)-**XXXX**(0001-1000)-**X**(Letter A-Z).e.g. **PLG-2021-S-0001-A.**

- Sign Up (required fields)
- Sign In (mobile/email with 2FA)
- Profile (View & Update)
- Artists must choose to distribute either Radio or Tv after submission
- Analytics/Audit Trail (both graphical & tabular format)
  - All paid transactions
  - All uploads
  - Login & Account Access trail