

# VERTO - WEBSITE PAGES & FEATURE REQUIREMENTS

**TOTAL PAGE COUNT: 23 HTML Pages**

---

## SECTION 1: PAGE INVENTORY

### A. PUBLIC PAGES (12 pages)

#### Marketing & Information

1. **Homepage** ( / )
2. **About Us** ( /about )
3. **How It Works** ( /how-it-works )
4. **For Creators** ( /creators )
5. **For Viewers** ( /viewers )
6. **Pricing** ( /pricing )
7. **Blog/News** ( /blog )
8. **Blog Post Template** ( /blog/[slug] )

#### Legal & Support

9. **Terms of Service** ( /terms )
  10. **Privacy Policy** ( /privacy )
  11. **FAQ** ( /faq )
  12. **Contact** ( /contact )
- 

### B. AUTHENTICATION PAGES (3 pages)

13. **Login** ( /login )
  14. **Sign Up - Creator** ( /signup/creator )
  15. **Sign Up - Viewer** ( /signup/viewer )
- 

### C. CREATOR DASHBOARD (4 pages)

16. **Creator Dashboard Home** ( /creator/dashboard )

17. **Upload Content** ( /creator/upload )
  18. **Analytics** ( /creator/analytics )
  19. **Pack Management** ( /creator/packs )
- 

## D. VIEWER PAGES (4 pages)

20. **Browse Creators** ( /browse )
  21. **Browse Packs** ( /browse/packs )
  22. **Creator Profile Page** ( /creator/[username] )
  23. **Video Player Page** ( /watch/[video-id] )
- 

# SECTION 2: DETAILED FEATURE REQUIREMENTS DOCUMENT

---

## PAGE 1: HOMEPAGE ( / )

### Purpose

Convert visitors into creators or viewers within 10 seconds of landing.

### Key Sections

#### 1.1 Hero Section

##### Features:

- **Headline:** "Netflix for Indie Creators" (48px, bold)
- **Subheadline:** "One subscription. Multiple creators. Zero ads. You keep 85%."
- **CTA Buttons:**
  - Primary: "Start Creating" (links to /signup/creator )
  - Secondary: "Browse Content" (links to /browse )
- **Hero Visual:** Animated mockup showing:
  - Desktop app uploading video
  - Pack creation interface
  - Viewer browsing curated packs

#### 1.2 Problem Statement (3-column layout)

## Features:

- Icon + stat callouts:
  - "45% Platform Tax" (YouTube icon)
  - "12 Subscriptions" (scattered platform logos)
  - "Ad Overload" (muted speaker icon)
- Each column links to `/how-it-works` with anchor

## 1.3 How Verto Works (Interactive)

## Features:

- Tab switcher: "For Creators" | "For Viewers"
- **Creator Tab:**
  - Upload → Bundle → Earn workflow diagram
  - "Keep 85-90%" badge
  - "4x Faster Uploads" badge
- **Viewer Tab:**
  - Browse → Subscribe → Curate workflow
  - "Earn 5% Referrals" badge
  - "100% Ad-Free" badge

## 1.4 Featured Packs Carousel

## Features:

- Horizontal scroll carousel (6-8 packs visible)
- Each pack card shows:
  - Pack thumbnail (composite of creator avatars)
  - Pack name
  - Number of creators (e.g., "5 Creators")
  - Price (e.g., "\$12/month")
  - "Preview" button (modal with creator list)
- Auto-scroll every 5 seconds

## 1.5 Creator Testimonials

## Features:

- 3-card layout with quotes
- Each card:
  - Creator avatar
  - Quote (max 140 characters)
  - Creator name + niche
  - Revenue stat (e.g., "Earning \$850/month")

## 1.6 Stats Section

### Features:

- 4 large numbers in a row:
  - "500+ Creators"
  - "30K+ Viewers"
  - "\$2.4M Paid to Creators"
  - "85% Avg Revenue Share"

## 1.7 Final CTA

### Features:

- Split CTA:
    - Left: "I'm a Creator" → `/signup/creator`
    - Right: "I'm a Viewer" → `/signup/viewer`
  - Background: Gradient (primary color)
- 

## PAGE 2: ABOUT US ( `/about` )

### Purpose

Build trust through founder story, mission, and team transparency.

### Key Sections

#### 2.1 Mission Statement

### Features:

- Large headline: "We believe creators should own their audience"
- 3-paragraph manifesto explaining:
  - The platform tax problem
  - Why bundling unlocks creator collaboration
  - Vision for creator sovereignty

#### 2.2 Founder Story

### Features:

- Side-by-side layout:
  - Left: Founder photo
  - Right: Story narrative (300-500 words)

- Key beats:
  - Personal experience with platform exploitation
  - "Aha moment" for P2P bundling
  - Why now is the time

## 2.3 Team Section

### Features:

- Grid of team members (3-4 cards)
- Each card:
  - Photo
  - Name + role
  - 1-sentence bio
  - LinkedIn icon link

## 2.4 Values

### Features:

- 4 value cards (icon + title + description):
  - "Creator First"
  - "Radical Transparency"
  - "Community Owned"
  - "No Ads, Ever"

---

## PAGE 3: HOW IT WORKS ( /how-it-works )

### Purpose

Explain the platform mechanics for both creators and viewers.

### Key Sections

#### 3.1 For Creators Workflow

### Features:

- 5-step vertical timeline:
  1. **Sign Up:** Verification process (ID check, portfolio review)
  2. **Upload:** Desktop app demo (drag-drop video)
  3. **Bundle:** Create/join Packs (UI mockup)
  4. **Schedule:** Linear TV programming (calendar view)

5. **Earn:** Revenue dashboard (chart showing 85% split)

## 3.2 For Viewers Workflow

### Features:

- 4-step horizontal process:
  1. **Browse:** Discovery feed mockup
  2. **Subscribe:** Individual vs. Pack comparison
  3. **Watch:** Video player with no ads
  4. **Curate:** Create your own Pack (earn 5%)

## 3.3 Revenue Split Visualization

### Features:

- Interactive pie chart:
  - 85% Creators (green)
  - 10% Infrastructure (blue)
  - 5% Curators (purple)
- Tooltip on hover shows dollar amounts based on \$12 subscription

## 3.4 FAQ Accordion

### Features:

- 8-10 common questions:
  - "How do Packs work?"
  - "What file formats are supported?"
  - "Can I leave a Pack anytime?"
  - "How do I get paid?"
- Expandable/collapsible sections

---

## PAGE 4: FOR CREATORS ( /creators )

### Purpose

Convert content creators to sign up by showcasing benefits and tools.

### Key Sections

#### 4.1 Value Proposition

## Features:

- Large stat callouts:
  - "Keep 85-90%" (vs. 50-55% on YouTube)
  - "4x Faster Uploads" (Go backend advantage)
  - "Instant Payments" (blockchain rails)

## 4.2 Desktop App Showcase

### Features:

- Animated GIF/video demo:
  - Drag-drop upload interface
  - Real-time transcoding progress
  - Metadata editing (title, description, tags)
- Download buttons: macOS | Windows | Linux

## 4.3 Pack Collaboration Benefits

### Features:

- Case study card:
  - "How 5 Creators Bundled to Earn \$8K/month"
  - Revenue breakdown table
  - "See Pack Examples" CTA

## 4.4 Pricing Tiers (Creator Plans)

### Features:

- 3-column comparison table:
  - **Free:** 10 videos, 1GB, Verto branding
  - **Creator Pro (\$15/mo):** Unlimited, analytics, custom branding
  - **Studio (\$50/mo):** Multi-user, API, priority support
- "Start Free Trial" button

## 4.5 Success Stories

### Features:

- 3 creator profiles (card layout):
  - Avatar, name, niche
  - Before/After revenue stats
  - Quote about platform experience

## 4.6 CTA

## Features:

- "Join 500+ Creators" button → </signup/creator>
- 

# PAGE 5: FOR VIEWERS ( /viewers )

## Purpose

Convert viewers to sign up by emphasizing value, ad-free experience, and curation economy.

## Key Sections

### 5.1 Hero

#### Features:

- Headline: "One Subscription. Unlimited Quality Content."
- Subheadline: "No ads. No algorithms. Just creators you love."
- CTA: "Browse Packs" → </browse/packs>

### 5.2 Subscription Options

#### Features:

- 3 tiers (card layout):
  - **Individual Creator:** \$3-8/month
  - **Packs:** \$10-20/month (3-8 creators)
  - **Mega Pack:** \$30/month (unlimited access)

### 5.3 Viewer-as-Curator Explainer

#### Features:

- Infographic:
  - Step 1: Create custom Pack
  - Step 2: Share referral link
  - Step 3: Earn 5% commission
- "Start Curating" CTA (requires login)

### 5.4 Featured Content Preview

#### Features:

- Grid of 8-12 video thumbnails

- Each thumbnail:
  - Creator avatar overlay
  - Video title
  - Duration
  - "Watch Preview" (30-sec clip, no login required)

## 5.5 Ad-Free Guarantee

### Features:

- Bold promise: "No ads. Ever."
- Comparison chart:
  - Verto: \$0 ads
  - YouTube Premium: Still has creator sponsors
  - Netflix: Introducing ad tiers

## 5.6 CTA

### Features:

- "Start Watching Free" → </signup/viewer>
  - Small text: "7-day trial, cancel anytime"
- 

## PAGE 6: PRICING ( /pricing )

### Purpose

Transparent pricing for both creators and viewers.

### Key Sections

#### 6.1 Toggle Switcher

### Features:

- Tab toggle: "For Creators" | "For Viewers"

#### 6.2 Creator Pricing Table

### Features:

- 3 columns (same as Page 4):
  - Free, Creator Pro, Studio
- Feature comparison checkmarks

- "Most Popular" badge on Creator Pro

## 6.3 Viewer Pricing Table

### Features:

- 3 subscription types:
  - Individual (\$3-8)
  - Packs (\$10-20)
  - Mega Pack (\$30)
- "Best Value" badge on Packs

## 6.4 Fee Transparency

### Features:

- Revenue split visualization (repeat from Page 3)
- "No hidden fees" guarantee
- Payment methods accepted (Stripe, crypto)

## 6.5 FAQ

### Features:

- Accordion with 5-6 pricing questions:
  - "Can I change tiers anytime?"
  - "Do you offer refunds?"
  - "What payment methods do you accept?"

---

## PAGE 7-8: BLOG ( /blog + /blog/[slug] )

### Purpose

SEO content hub + thought leadership.

## PAGE 7: Blog Index ( /blog )

### 7.1 Featured Post

### Features:

- Large hero card (latest post)
- Thumbnail image
- Title, excerpt, author, date

- "Read More" CTA

## 7.2 Post Grid

### Features:

- 3-column grid of blog cards
- Each card: thumbnail, title, excerpt, date
- Pagination (20 posts per page)

## 7.3 Categories Sidebar

### Features:

- Filter by:
  - Creator Tips
  - Platform Updates
  - Case Studies
  - Industry News

## PAGE 8: Blog Post Template ( /blog/[slug] )

### 8.1 Post Header

#### Features:

- Title (H1)
- Author name + avatar
- Publish date
- Estimated read time
- Social share buttons (Twitter, LinkedIn, Email)

### 8.2 Content Area

#### Features:

- Markdown rendering
- Inline images (responsive)
- Code blocks (syntax highlighting)
- Callout boxes (tips, warnings)

### 8.3 Related Posts

#### Features:

- 3 related posts (same category)
- Card layout with thumbnails

## 8.4 Comments

### Features:

- Disqus or native comment system
  - Require login to comment
- 

## PAGES 9-12: LEGAL & SUPPORT

### PAGE 9: Terms of Service ( /terms )

#### Features:

- Standard legal layout
- Table of contents (jump links)
- Last updated date
- Sections:
  - User agreements
  - Creator terms
  - Payment terms
  - Content rights
  - Termination policy

### PAGE 10: Privacy Policy ( /privacy )

#### Features:

- GDPR/CCPA compliant
- Sections:
  - Data collection
  - Cookie usage
  - Third-party sharing
  - User rights (data deletion)

### PAGE 11: FAQ ( /faq )

#### Features:

- Search bar (filter questions)
- Accordion sections:

- General
- For Creators
- For Viewers
- Technical
- Billing

## PAGE 12: Contact ( /contact )

### Features:

- Contact form:
    - Name, Email, Subject, Message
    - File upload (for support tickets)
  - Social media links
  - Email: [support@verto.io](mailto:support@verto.io)
  - Expected response time: "24-48 hours"
- 

## PAGES 13-15: AUTHENTICATION

## PAGE 13: Login ( /login )

### Features:

- Email + password fields
- "Remember me" checkbox
- "Forgot password?" link
- Social login options:
  - Google OAuth
  - GitHub OAuth (for creators)
- "Don't have an account?" → Sign up links

## PAGE 14: Sign Up - Creator ( /signup/creator )

### Multi-Step Form (4 steps):

#### Step 1: Basic Info

- Full name
- Email
- Password (strength indicator)
- Username (availability check)

## **Step 2: Creator Profile**

- Niche/category dropdown
- Bio (500 char max)
- Profile photo upload
- Social media links (optional)

## **Step 3: Verification**

- Upload ID (driver's license/passport)
- Portfolio links (YouTube, Patreon, website)
- Why you want to join (text area)

## **Step 4: Plan Selection**

- Choose: Free | Creator Pro | Studio
- Payment info (if paid tier)
- "Start 30-day trial" option

# **PAGE 15: Sign Up - Viewer ( /signup/viewer )**

## **Simple 2-Step Form:**

### **Step 1: Account**

- Email
- Password
- Username

### **Step 2: Preferences**

- Interests (multi-select: Tech, Finance, Fitness, etc.)
- "Skip for now" option
- "Browse Packs" CTA

---

# **PAGES 16-19: CREATOR DASHBOARD**

# **PAGE 16: Creator Dashboard Home ( /creator/dashboard )**

## **16.1 Overview Stats (4 cards)**

### **Features:**

- Total Subscribers

- Monthly Revenue
- Total Views (last 30 days)
- Pack Memberships

## 16.2 Recent Activity Feed

### Features:

- List of recent events:
  - New subscriber
  - Pack invitation
  - Payment received
  - Video published

## 16.3 Quick Actions

### Features:

- Button shortcuts:
  - Upload New Video
  - Create Pack
  - View Analytics
  - Download Desktop App

## 16.4 Revenue Chart

### Features:

- Line graph (last 90 days)
- Toggle: Daily | Weekly | Monthly
- Export to CSV button

---

## PAGE 17: Upload Content ( </creator/upload> )

## 17.1 Upload Methods

### Features:

- Tab switcher:
  - **Desktop App:** "Download app for fastest uploads"
  - **Web Upload:** Drag-drop interface (max 5GB)

## 17.2 Video Metadata Form

## **Features:**

- Title (required, 100 char max)
- Description (Markdown editor, 5000 char max)
- Thumbnail upload (16:9 ratio, 1920x1080 recommended)
- Category dropdown
- Tags (comma-separated)
- Visibility:
  - Public
  - Pack-only (select Packs)
  - Private

## **17.3 Linear Scheduling (Optional)**

## **Features:**

- Toggle: "Schedule as premiere?"
- Date/time picker
- Timezone selector
- "Notify subscribers" checkbox

## **17.4 Upload Progress**

## **Features:**

- Real-time progress bar
  - Transcoding status (queued → processing → complete)
  - Preview player (once processed)
  - "Publish" vs. "Save Draft" buttons
- 

## **PAGE 18: Analytics ( /creator/analytics )**

### **18.1 Date Range Selector**

## **Features:**

- Preset ranges: Last 7 days | 30 days | 90 days | All time
- Custom date picker

### **18.2 Key Metrics Dashboard**

## **Features:**

- 6 stat cards:

- Views
- Watch Time
- Subscribers Gained/Lost
- Revenue
- Avg View Duration
- Engagement Rate (likes/comments per view)

## 18.3 Top Videos Table

### Features:

- Sortable columns:
  - Title
  - Views
  - Watch Time
  - Revenue
  - Publish Date
- "View Details" link per video

## 18.4 Audience Demographics

### Features:

- Charts:
  - Age distribution (bar chart)
  - Gender split (pie chart)
  - Geographic location (map view)
  - Device type (mobile vs. desktop)

## 18.5 Traffic Sources

### Features:

- Pie chart:
  - Direct
  - Pack discovery
  - Referral links
  - Search

## PAGE 19: Pack Management ( /creator/packs )

### 19.1 My Packs Section

## **Features:**

- List of Packs creator is in:
  - Pack name
  - Number of creators
  - Monthly revenue
  - "View Details" button

## **19.2 Create New Pack**

### **Features:**

- Form:
  - Pack name
  - Description
  - Pack thumbnail upload
  - Invite creators (email/username search)
  - Revenue split (% per creator, auto-calculates to 100%)
  - Price (\$10-30 range)
- "Preview Pack Page" button
- "Publish Pack" CTA

## **19.3 Pack Invitations**

### **Features:**

- List of pending invites:
  - Pack name
  - Invited by (creator name)
  - Proposed revenue split
  - "Accept" | "Decline" buttons

## **19.4 Pack Performance**

### **Features:**

- Table per Pack:
  - Subscribers
  - Revenue (total + your share)
  - Growth rate (last 30 days)
  - Top referrers (viewer-curators)

---

## **PAGES 20-23: VIEWER PAGES**

## PAGE 20: Browse Creators ( /browse )

### 20.1 Filter Sidebar

#### Features:

- Category checkboxes:
  - Tech, Finance, Fitness, Cooking, etc.
- Sort by:
  - Newest
  - Most Subscribers
  - Most Active (uploads/week)
- Price range slider (\$0-30)

### 20.2 Creator Grid

#### Features:

- 4-column grid of creator cards
- Each card:
  - Profile photo
  - Name + username
  - Niche badge
  - Subscriber count
  - Price (if individual subscription)
  - "View Profile" button

### 20.3 Search Bar

#### Features:

- Instant search (filters as you type)
- Search by: Name, niche, tags

### 20.4 Pagination

#### Features:

- Load more (infinite scroll) OR
- Page numbers (1, 2, 3... 10)

---

## PAGE 21: Browse Packs ( /browse/packs )

## **21.1 Featured Packs Section**

### **Features:**

- Carousel (3-4 packs visible)
- Each pack card:
  - Pack thumbnail (composite creator avatars)
  - Pack name
  - Number of creators
  - Price
  - "View Pack" button

## **21.2 Filter Options**

### **Features:**

- Category dropdown
- Sort by:
  - Most Popular
  - Best Value (price per creator)
  - Newest

## **21.3 Pack Grid**

### **Features:**

- 3-column grid
- Each card shows:
  - Pack details (same as featured)
  - Creator avatars (max 5 visible, "+3 more" if >5)
  - Sample video thumbnail
  - "Preview Pack" modal button

## **21.4 Create Your Own Pack**

### **Features:**

- CTA card: "Curate Your Own Pack & Earn 5%"
- Button → Opens Pack creator (requires login)

---

## **PAGE 22: Creator Profile Page ( /creator/[username] )**

## **22.1 Header Section**

## **Features:**

- Cover photo (optional)
- Profile photo
- Name + verified badge
- Subscriber count
- Bio (max 500 chars)
- Social links
- "Subscribe" button (if not subscribed)
  - Shows price
  - Instant checkout flow

## **22.2 Videos Tab (default)**

## **Features:**

- Grid of video thumbnails (3-column)
- Each thumbnail:
  - Title
  - Duration
  - View count
  - Upload date
  - "Watch" button

## **22.3 Packs Tab**

## **Features:**

- List of Packs this creator is in
- Each Pack card:
  - Pack name
  - Other creators in Pack (avatars)
  - Price
  - "View Pack" button

## **22.4 About Tab**

## **Features:**

- Full bio
- Upload schedule (if creator uses linear scheduling)
- Stats:
  - Total videos
  - Total views

- Join date
- 

## PAGE 23: Video Player Page ( /watch/[video-id] )

### 23.1 Video Player

#### Features:

- HLS/DASH adaptive streaming
- Quality selector (4K, 1080p, 720p, 480p, auto)
- Playback speed (0.5x to 2x)
- Fullscreen toggle
- Picture-in-picture
- Keyboard shortcuts (Space = play/pause, F = fullscreen, etc.)
- No ads (guaranteed)

### 23.2 Video Info Bar

#### Features:

- Title (H1)
- Creator name + avatar (clickable → profile)
- Upload date
- View count
- "Subscribe" button (if not subscribed)

### 23.3 Description Section

#### Features:

- Expandable description (Markdown rendered)
- "Show More" toggle
- Tags (clickable → search by tag)

### 23.4 Engagement Actions

#### Features:

- Like button (with count)
- Comment button (with count)
- Share button (dropdown):
  - Copy link
  - Twitter

- LinkedIn
- Email
- Add to Pack (if viewer is curator)

## 23.5 Comments Section

### Features:

- Sort by: Newest | Top
- Threaded replies (2 levels deep)
- Like comments
- Report comment (spam/abuse)
- Login required to comment

## 23.6 Recommended Videos Sidebar

### Features:

- 8-10 related videos (from same creator)
  - Autoplay next video toggle
  - If Pack subscription: Show other videos in Pack
- 

# SECTION 3: TECHNICAL FEATURE REQUIREMENTS

## A. CORE INFRASTRUCTURE

### 1. Authentication System

#### Features:

- JWT-based session management
- OAuth 2.0 (Google, GitHub)
- Two-factor authentication (optional)
- Password reset via email
- Email verification required
- Role-based access control (Creator, Viewer, Admin)

### 2. Payment Processing

#### Features:

- Stripe integration (primary)
- Cryptocurrency option (Ethereum L2, Solana)
- Subscription management:
  - Auto-renewal
  - Proration on plan changes
  - Invoice generation (PDF)
- Payout system:
  - Creator payouts (monthly, via Stripe Connect)
  - Curator referral payouts (minimum \$50 threshold)
  - Blockchain-based instant splits (experimental)

## 3. Video Infrastructure

### Features:

- Upload:
  - Chunked uploads (resume on failure)
  - Max file size: 10GB (web), unlimited (desktop app)
  - Supported formats: MP4, MOV, AVI, MKV, WebM
- Transcoding:
  - Go-based pipeline (ffmpeg wrapper)
  - Output: HLS/DASH adaptive bitrate
  - Resolutions: 4K, 1080p, 720p, 480p, 360p
  - Priority queue (Studio tier gets priority)
- Storage:
  - IPFS/Arweave (P2P layer)
  - CDN fallback (BunnyCDN or Cloudflare)
  - Retention: Permanent (unless creator deletes)
- DRM (optional):
  - Widevine/FairPlay for premium content

## 4. Search & Discovery

### Features:

- Elasticsearch backend
- Full-text search:
  - Creator names
  - Video titles/descriptions
  - Tags
- Autocomplete suggestions
- Search history (logged-in users)
- Trending algorithm:

- Views + engagement (last 7 days)
- Weighted by creator tier

## 5. Analytics Engine

### Features:

- Real-time event tracking (Mixpanel or custom)
- Metrics tracked:
  - Video views (with deduplication)
  - Watch time (seconds)
  - Engagement (likes, comments, shares)
  - Traffic sources (referrer tracking)
- Creator dashboards:
  - Export to CSV
  - API access (Studio tier)
- Privacy:
  - Anonymized viewer data
  - GDPR/CCPA compliant (data deletion on request)

## 6. Notification System

### Features:

- Email notifications:
  - New subscriber
  - Pack invitation
  - Payment received
  - Video published (to subscribers)
- In-app notifications (bell icon)
- Push notifications (mobile app, Phase 3)
- Notification preferences (user settings)

## 7. Admin Panel (Internal)

### Features:

- Creator verification queue:
  - Review ID uploads
  - Approve/reject applications
  - Fraud detection (duplicate accounts)
- Content moderation:
  - Flagged videos review
  - DMCA takedown workflow

- User ban/suspend
  - Platform analytics:
    - Total revenue
    - Creator churn rate
    - Viewer retention
    - Server costs
- 

## B. ADVANCED FEATURES

### 8. Linear Scheduling System

#### Features:

- Creator interface:
  - Drag-drop calendar (week view)
  - Recurring schedules (e.g., "Every Friday 8pm")
  - Timezone conversion
- Viewer interface:
  - "Live Now" indicator on homepage
  - Countdown timer (before premiere)
  - Notification 10 min before premiere
- Backend:
  - Cron job scheduler
  - HLS live stream simulation (pre-recorded VOD streamed as "live")

### 9. Pack System

#### Features:

- Pack creation:
  - Invite creators (email or username lookup)
  - Revenue split calculator (must total 100%)
  - Preview page before publishing
- Pack discovery:
  - Featured Packs (curated by admin)
  - Trending Packs (by subscriber growth)
- Viewer-curated Packs:
  - Public/private toggle
  - Referral link generation
  - Commission tracking dashboard

### 10. Desktop App (Wails + Go)

## **Features:**

- Local video processing:
  - Thumbnail generation
  - Resolution detection
  - File validation (corrupt file detection)
- Batch uploads (queue system)
- Offline mode:
  - Save metadata drafts
  - Sync when online
- Auto-update mechanism
- Platform support: macOS, Windows, Linux

## **11. Referral Program**

### **Features:**

- Unique referral links (per user)
- Commission tracking:
  - 5% of subscription revenue (lifetime)
  - Minimum payout: \$50
- Referral dashboard:
  - Clicks
  - Conversions
  - Earnings (pending + paid)
- Fraud detection:
  - Self-referral blocking
  - Suspicious activity flagging

## **12. Social Features**

### **Features:**

- Comments:
  - Threaded replies (2 levels)
  - Upvote/downvote
  - Report abuse
- Likes (on videos)
- Follow system (future):
  - Follow creators
  - Follow curators
- Activity feed (future):
  - "Creator X just uploaded Y"

---

# C. PERFORMANCE & SECURITY

## 13. Performance Optimizations

### Features:

- CDN: Cloudflare or BunnyCDN
- Image optimization:
  - WebP conversion
  - Lazy loading
  - Responsive srcset
- Code splitting (React lazy load)
- Database indexing (Postgres):
  - Creator username
  - Video upload date
  - Pack IDs
- Caching:
  - Redis (session data, popular queries)
  - Browser cache headers

## 14. Security

### Features:

- HTTPS everywhere (SSL certificate)
- Rate limiting:
  - API: 100 req/min per user
  - Upload: 5 GB/hour per creator
- CSRF protection
- XSS sanitization (user-generated content)
- SQL injection prevention (parameterized queries)
- Content Security Policy (CSP headers)
- DDoS protection (Cloudflare)
- Regular security audits (quarterly)

## 15. Compliance

### Features:

- GDPR:
  - Data export (JSON)
  - Right to deletion
  - Cookie consent banner

- CCPA:
    - "Do Not Sell My Data" option
  - DMCA:
    - Takedown request form
    - Counter-notification process
  - Age verification:
    - 18+ content flagging
    - Age gate (if applicable)
- 

## D. API (Phase 2-3)

### 16. Public API (Studio Tier Only)

#### Features:

- RESTful endpoints:
    - GET /api/v1/videos (list videos)
    - POST /api/v1/videos/upload (upload video)
    - GET /api/v1/analytics (view stats)
    - POST /api/v1/packs (create pack)
  - Rate limits: 1000 req/hour
  - API key management (creator dashboard)
  - Webhooks:
    - Video published
    - New subscriber
    - Payment received
- 

## SECTION 4: MOBILE APP (Future - Phase 3)

### 17. Mobile App Features (React Native)

#### Features:

- Video playback (offline download)
- Browse creators/packs
- Subscribe/manage subscriptions
- Notifications (push)
- Chromecast support
- Picture-in-picture
- iOS: App Store

- Android: Google Play
- 

## SECTION 5: FUTURE FEATURES (Year 2-3)

### 18. Live Streaming

#### Features:

- RTMP ingest (OBS, Streamlabs)
- Live chat (WebSocket)
- Tipping during live (crypto micropayments)
- VOD archive after stream

### 19. Web3 Integration

#### Features:

- NFT badges:
  - "Founding Subscriber" badge
  - Pack curator achievements
- DAO governance:
  - Token-based voting (platform decisions)
  - Creator council elections
- Crypto wallets:
  - MetaMask integration
  - Phantom (Solana)

### 20. AI Features

#### Features:

- Auto-generated video summaries (GPT-4)
  - Smart tags (computer vision on thumbnails)
  - Personalized recommendations (ML model)
  - Auto-captions (Whisper API)
- 

## TECHNOLOGY STACK SUMMARY

<b>Component</b>	<b>Technology</b>
<b>Frontend</b>	React 18, Next.js 14, TailwindCSS
<b>Backend</b>	Go (Gin framework), Node.js (API layer)
<b>Database</b>	PostgreSQL (primary), Redis (cache)
<b>Video Processing</b>	ffmpeg (Go wrapper)
<b>Storage</b>	IPFS/Arweave (P2P), BunnyCDN (fallback)
<b>Payments</b>	Stripe, Ethereum L2 (Polygon/Optimism)
<b>Authentication</b>	JWT, OAuth 2.0
<b>Search</b>	Elasticsearch
<b>Analytics</b>	Mixpanel / Custom (Go + Postgres)
<b>Desktop App</b>	Wails (Go + React)
<b>Mobile App</b>	React Native (Phase 3)
<b>Deployment</b>	Docker, Kubernetes, AWS/GCP
<b>CI/CD</b>	GitHub Actions

---



---

## ACCESSIBILITY (WCAG 2.1 AA)

### Requirements

- Color contrast: 4.5:1 (text), 3:1 (UI elements)
- Keyboard navigation: All interactive elements
- Screen reader support: ARIA labels
- Captions: Auto-generated (Whisper API)
- Responsive design: Mobile-first, 320px min width

---

### END OF FEATURE REQUIREMENTS DOCUMENT

**Total Pages: 23**

**Total Features: 100+**