## Plugin + Module Integrations A. Identity, Auth, and Risk (Registration, 2FA/OTP, SSN/ID checks)

**Day‑1** — *fastest to ship with your Stripe stack*

1. **Clerk** – hosted auth (email/phone, passkeys, social logins, MFA)  
   *Why:* Beautiful drop‑in components; Apple/Google sign‑in on day 1; great devX.  
   *Plugs into:* Registration (phone OTP + email verify), Account Security.  
   *Price:* generous free tier; paid seats start low (first **10k MAUs free**, then usage).
2. **Twilio Verify** – OTP via SMS/voice/email with anti‑fraud routing  
   *Why:* One API for codes; includes rate‑limiting & carrier optimizations.  
   *Plugs into:* Phone verification at registration and edits; step‑up auth for high‑risk actions.  
   *Price:* **$0.05 per successful verification + channel fees** (US SMS ~ $0.0083).
3. **Stripe Identity** – photo ID + **SSN last‑4** verification  
   *Why:* You’re already on Stripe; Identity covers KYC/KYB for US individuals & orgs.  
   *Plugs into:* “Verification” section (DL/ID, SSN last‑4), organizer eligibility gates.  
   *Price:* Pay‑as‑you‑go per verification (no monthly lock‑in). Use alongside Connect onboarding.
4. **Cloudflare Turnstile** (bot defense / CAPTCHA)  
   *Why:* Privacy‑friendly CAPTCHA replacement; reduces fake signups & checkout abuse.  
   *Plugs into:* Registration, login, donation checkout, report‑abuse forms.  
   *Price:* **Free** (managed mode; widget limits apply).

**Alternatives:** hCaptcha Pro (starts ~$99–$139/mo) if you need analytics/theming; still ≤ $150.

**B. Payments, Fees, Tips, Payouts (Donations & Cash‑out)**

**Day‑1** — *lean on Stripe end‑to‑end*

1. **Stripe Payments + Checkout/Elements**  
   *Why:* Covers cards + Apple Pay/Google Pay; fee/tip lines; refunds API.  
   *Plugs into:* Section 14 (checkout), tips, “cover fees,” refund flows.  
   *Price:* Standard **2.9% + 30¢** per card txn; no monthly fee.
2. **Stripe Connect — Express** (organizer payouts)  
   *Why:* Best fit for marketplaces; handles KYC/KYB, 1099s, compliance.  
   *Plugs into:* Wallet > Payouts; campaign end disbursements and holds.  
   *Price:* **$2 per active account/month + 0.25% + 25¢ per payout** (US pricing is in that range).

**C. Media, Uploads, Image/Video Delivery**

**Day‑1** — *pick one for images, one for video; both cache/CDN’d*

1. **Cloudinary** (images): resizing, format conversion, lazy thumbs, auto‑quality, watermarking, OG image helpers  
   *Plugs into:* Campaign galleries, avatars, social share thumbs.  
   *Price:* Free and paid plans; **Plus tier ≈ under $150** and generous quotas for MVP.
2. **Mux** (video): upload → transcoding → streaming player → analytics  
   *Plugs into:* Campaign video uploads (≤ 5 at 100 MB each); on‑page player.  
   *Price:* Pay‑as‑you‑go; starter usage typically ≪ $150/mo.

**Alternatives (images):** ImageKit (simple pricing, global CDN) or Uploadcare (nice widget, AV scanning add‑on). Both have starter tiers ≤ $150.

**D. Content Moderation (images/text/video)**

**Day‑1** — *moderate uploads to enforce your restricted categories*

1. **Sightengine** – image/video/text moderation APIs (nudity/violence/weapons, etc.)  
   *Plugs into:* Campaign media upload pipeline; DM images; profile photos.  
   *Price:* **Starter from $29/mo** for 10k ops (then $0.002/op). Easy way to stay ≤ $150.

**Alternative:** **Hive Moderation** (powerful, often custom‑priced; still can use minimal tiers).

**E. Address Validation & Autocomplete**

1. **Smarty (US Address Autocomplete/Verify)**  
   *Plugs into:* Registration (address), Rewards shipping form, Organizer Profile.  
   *Price:* Low‑cost usage pricing; starter bundles well below $150.

**Alternative:** Google Places Autocomplete (pay‑as‑you‑go; also ≤ $150 for low volumes).

**F. Email, SMS, Voice (Receipts, Reminders, 2FA fallback)**

1. **Postmark** or **SendGrid** (transactional email)  
   *Plugs into:* Receipts, verification links, updates, nudges, dispute threads.  
   *Price:* **Postmark from ~$15/mo (10k emails)**, **SendGrid Essentials** has low‑cost tiers—both under $150 to start.
2. **Twilio** (SMS & voice fallback)  
   *Plugs into:* OTP fallback calls, delivery status; voice fallback on SMS failure.  
   *Price:* US SMS around **$0.0079–$0.0083**/message; pay‑as‑you‑go.

**G. Search & Discovery (site‑wide and KB search)**

1. **Typesense Cloud** (open‑source, hosted; facet & typo‑tolerant search)  
   *Plugs into:* Discovery page search facets; Knowledge Base search.  
   *Price:* Starter clusters well under $150/mo.

**Alternatives:** Meilisearch Cloud (simple pricing), Algolia (excellent but can outgrow budget fast).

**H. Realtime & Messaging (DMs, team live updates, leaderboards)**

1. **Pusher Channels** *or* **Ably**  
   *Why:* WebSocket pub/sub without running brokers; SDKs are simple.  
   *Plugs into:* Direct Messaging, donation feed tickers, team leaderboard live totals.  
   *Price:* Starter plans **$49–$99/mo** range—fits your ceiling.

If you prefer your own stack: **Supabase Realtime** (free tier; see Supabase pricing below).

**I. Analytics, Funnels, Session Replays**

1. **PostHog** (product analytics)  
   *Plugs into:* Organizer dashboards (donations over time, conversion funnels), Admin dashboards.  
   *Price:* Generous free tier; usage‑based beyond that.
2. **Plausible** (privacy‑friendly web analytics)  
   *Plugs into:* Site‑wide page analytics; public campaign stats.  
   *Price:* **Starts at $9/mo for 10k pageviews**.

**Error monitoring:** **Sentry** free/low‑tier plans (Team from ~$26/mo if you need alerting); under $150.

**J. Feature Flags & Remote Config (admin toggles, phased rollouts)**

1. **GrowthBook** (open‑source flags & experiments)  
   *Plugs into:* Admin → “Configuration & Flags”; rollout of AoN/KWR experiments, UI A/B tests.  
   *Price:* Self‑host free; cloud has low‑cost tiers.

**Alternative:** **Flagsmith** (OSS + cloud).

**K. Background Jobs, Scheduling, Emails at T+X (nudges, holds, escrow timers)**

1. **Trigger.dev** *or* **Inngest**  
   *Why:* Durable jobs, cron, webhooks—no infra.  
   *Plugs into:* Reward‑fulfillment nudges at 14/30/45 days, payout hold timers, nightly digests.  
   *Price:* Starter plans: **Trigger.dev from $0–$50/mo**, **Inngest hobby free; Pro from ~$75/mo**—pick one; both ≤ $150 to start.

**Queue-only option:** **Upstash Redis/QStash** (serverless queues/webhook relay; pay‑as‑you‑go and cheap).

**L. CMS / Knowledge Base (KB & marketing pages)**

1. **Docusaurus** (open‑source) or **GitBook** (hosted)  
   *Plugs into:* Knowledge Base (with search), docs, policy hub.  
   *Price:* Docusaurus is **free**; GitBook has free/low‑cost team tiers (paid tiers under $150/mo for small teams).

**Alternative:** HelpDocs (from **$49/mo**), if you want a pure help center SaaS.

**M. Admin UI scaffolding & RBAC**

1. **react‑admin** (+ **CASL** for permissions)  
   *Why:* React admin framework + granular, policy‑driven permissions.  
   *Plugs into:* Our Section 20 Admin Console (Users, Campaigns, Disputes, Feature Flags, etc.).  
   *Price:* **Open‑source (free)**; Enterprise add‑ons available but not required.

**N. Developer Platform (DB, auth alt, storage)**

1. **Supabase** (Postgres, Auth, Realtime, Storage, Functions)  
   *Why:* Strong default backend; storage pricing is transparent. Use it for DMs, small jobs, or if you don’t want to manage Postgres.  
   *Price:* Pro **from $25/mo**; Storage **$0.021/GB/mo** beyond quotas.

**Hosting:** Vercel or Netlify Pro are each **~$20/mo** per seat to start. Both scale on usage.

**O. SEO, OG Images, Sharing**

1. **Vercel OG (@vercel/og + Satori)** – dynamic OG card generation (free libs)  
   *Plugs into:* Campaign share cards (title/goal/cover/status), KB articles.  
   *Price:* Libraries are free; runs on your serverless platform budget.

**P. Helpdesk & Live Chat**

1. **Freshdesk** (tickets & KB) **or** **Help Scout** (tickets + docs)  
   *Plugs into:* Support portal, email intake, SLA reminders; connects to Admin Tools we specced.  
   *Price:* **Freshdesk from $15/agent/mo**; **Help Scout** low‑cost per‑seat plans—both ≤ $150 for a small team.
2. **Crisp** (live chat + bots + inbox)  
   *Plugs into:* On‑site chat, simple chatbot, message campaigns.  
   *Price:* **Pro ~$25/mo**, **Unlimited ~$95/mo** (per site).

**Q. Anti‑spam & Text Moderation**

1. **Akismet** (forms/comments spam) + **OpenAI Moderation** (free)  
   *Plugs into:* “Leave a message with donation”, DMs, report forms.  
   *Price:* **Akismet Pro ~$9.95/mo**; OpenAI moderation currently free.

**How this maps to your 25 sections (quick index)**

* **Registration & Verification** → Clerk, Twilio Verify, Stripe Identity, Turnstile.
* **User Portal (Profile/Security/Settings)** → Clerk + Turnstile + Smarty for addresses.
* **Wallet / Payouts** → Stripe Connect Express.
* **Donations/Checkout** → Stripe Payments (Elements/Checkout), Twilio (SMS fallback), Vercel OG for social.
* **Campaign Creation (media/FAQ/story)** → Cloudinary + Mux + Sightengine moderation; Docusaurus/GitBook for KB/FAQs if you want central authoring.
* **Rewards** → Trigger.dev/Inngest for fulfillment reminders and status transitions.
* **Teams & referrals** → Pusher/Ably for realtime leaderboards; PostHog for per‑member analytics.
* **Discovery & SEO** → Typesense for search facets; Plausible/PostHog for analytics; Vercel OG for social cards.
* **Messaging** (DMs) → Pusher/Ably; optional Supabase Realtime.
* **Admin Console** → react‑admin + CASL; GrowthBook flags; Sentry logs; PostHog admin analytics.
* **Support & Helpdesk** → Freshdesk/Help Scout; Crisp for live chat.
* **Notifications** → Postmark/SendGrid + Twilio.
* **Fraud & Abuse** → Stripe Radar (bundled) + Turnstile + moderation stack.

**What I’d skip (for cost) at MVP**

* **Stream Chat** (chat SDK) – excellent, but common plans exceed $150/mo early.
* **LaunchDarkly** (flags) – great but typically pricier than GrowthBook/Flagsmith at start.
* **Algolia** – best‑in‑class, but cost jumps quickly; Typesense/Meilisearch are friendlier ≤ $150.

**Starter “bundle” suggestions**

**Bundle A (Stripe‑first, React stack):**  
Clerk + Turnstile + Stripe Payments + Stripe Connect + Stripe Identity + Cloudinary + Mux + Sightengine + Typesense + PostHog + Sentry + Trigger.dev + Postmark + Twilio + react‑admin + CASL + GrowthBook + Freshdesk + Crisp.  
(Every item here has a free/starter ≤ $150; most will be **$0–$50/mo** initially.)

**Bundle B (Supabase‑lean):**  
Supabase (Auth/DB/Storage/Realtime) + Turnstile + Stripe Payments/Connect + Cloudinary + Mux + Sightengine + Upstash QStash (jobs) + PostHog + Sentry + Postmark + Twilio + react‑admin + CASL + Flagsmith + Freshdesk + Crisp.

**Quick integration notes (where you’ll save the most time)**

* **Verification gating:** Use **Stripe Identity** webhooks to flip your portal’s 4/4 checks and unlock “Create campaign.” (Identity → Webhook → update verification\_status.)
* **Payout policy:** Use **Stripe Connect** schedules + “payout hold” metadata; run a **Trigger.dev** job at T+3–5 biz days after campaign end to release payouts.
* **Media moderation:** Stream uploads to **Cloudinary/Mux** → run **Sightengine** asynchronously; if flagged, auto‑unpublish the media and notify organizer via Postmark/Twilio.
* **Realtime team leaderboard:** Donations write to DB → publish totals via **Pusher/Ably** channel per team; keep server as the source of truth.
* **Search facets:** ETL donations/campaign fields into **Typesense** on write, not nightly—keeps discovery instant.