

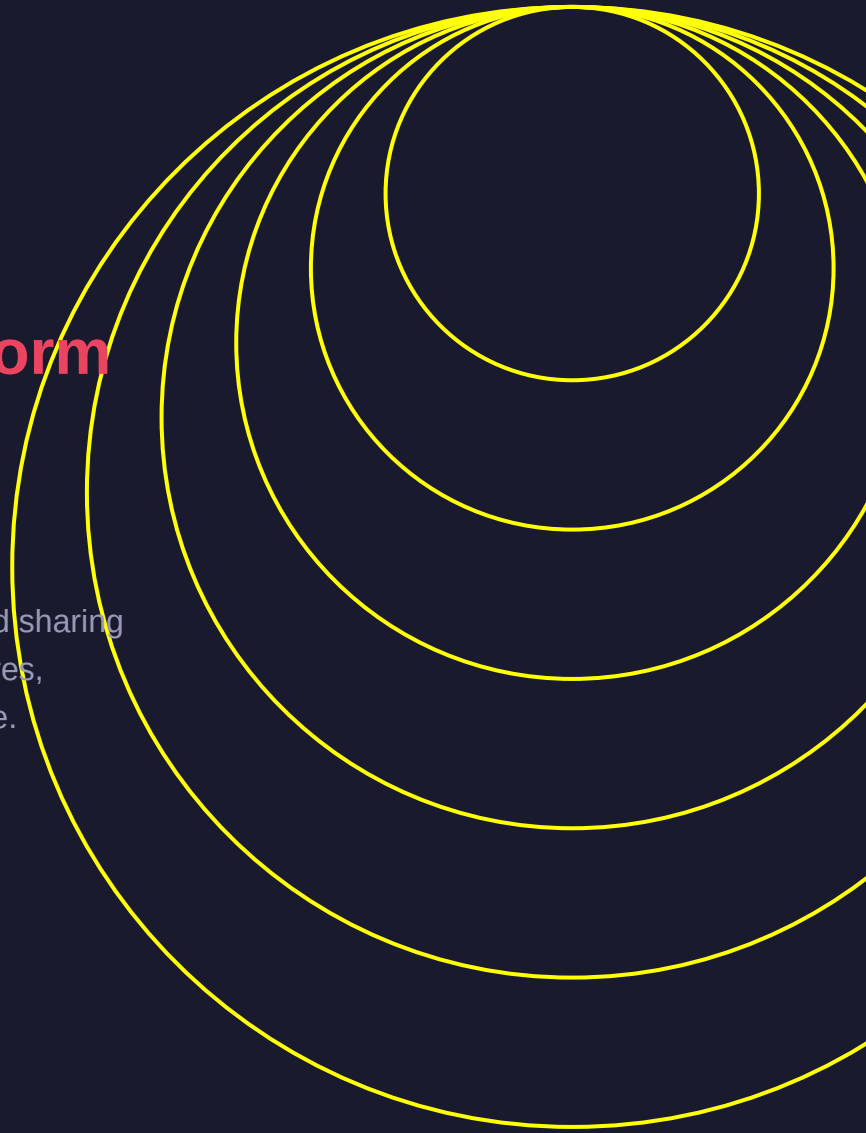
SoulPower

Digital Library Platform

Technical Proposal

A secure, scalable platform for hosting and sharing antique Bible scans with community features, built to handle your audience from day one.

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Confidential



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1. What We Are Building

SoulPower is a digital library platform designed to securely host, display, and distribute high-quality scans of antique Bibles and other rare books. The platform will provide a controlled environment where registered users can view sacred texts, participate in community discussions, and download content through a donation-based system.

Built for your audience. With 650,000 Instagram followers, this platform is engineered to handle significant traffic from the moment it launches. Every technical decision has been made with launch-day readiness in mind.

Core Capabilities

01 Secure Bible Scan Hosting

Display ~8,000+ pages of high-quality color scans with page-by-page viewing. Original files are never exposed to end users. Content is organized automatically by Bible name, book, language, and print year.

02 Restricted Access

All content is gated behind mandatory registration with phone verification. Government email addresses are automatically blocked. Every user action is traceable.

03 AI-Powered Content Upload

Simply photograph your Bible pages and upload them. Our AI system automatically reads the text, identifies the book, orders the pages, and organizes everything for you.

04 Donation-Based Downloads

Users can download complete Bible PDFs through a donation system with configurable minimum amounts. Every downloaded PDF is watermarked with the buyer's identity for traceability.

05 Tiered Subscriptions

Two subscription levels unlock additional features: advanced search, community participation, image search, and content contribution capabilities.

06 Community Forum

A Reddit-style discussion board where members can create threads, share insights, and build community around the content.

2. How It Works

2.1 System Overview

The platform is built on modern, battle-tested infrastructure designed for security, speed, and reliability. Content is served through a global content delivery network (CDN) that ensures fast load times worldwide while protecting against attacks.



2.2 What Users Experience

Registration: Users provide their name, email, and phone number. Email is verified, then phone is verified via SMS code. Government email domains are automatically rejected. VoIP and landline phone numbers can optionally be rejected, accepting only real mobile numbers.

Browsing: Registered users browse the Bible catalog, select a Bible by name/language/year, and view scans page by page. Images load instantly from the global CDN. Every image displayed carries a watermark for traceability.

Searching: Subscribers can search across all Bible text by keyword. The AI extraction process captures every word on every page, making the full text searchable. Higher-tier subscribers can also search by visual content (e.g., searching for images of doves, crosses, etc.).

Downloading: Users can download complete Bible PDFs through a donation (minimum amount set by you per book). Each PDF is individually watermarked with the buyer's identity.

3. Content Upload - AI-Powered Ingestion

Adding new Bibles to the platform is designed to be as simple as possible for you. There is no manual data entry, no spreadsheet organizing, no page-by-page labeling.

Your Workflow

Step 1: Photograph the Bible pages (your smartphone camera is fine).

Step 2: Go to the Admin Panel and drag-and-drop the photos (up to 100 at a time).

Step 3: The system automatically processes every image using AI. For each page, it extracts:

- The page number
- The book name (Genesis, Exodus, Psalms, etc.)
- The language of the text
- The print year (if visible)
- The full text content (for search)
- Visual elements in illustrations (dove, cross, lamb, etc.)

Step 4: Review the results. Fix any errors with a simple click-to-edit interface.

Step 5: Confirm and publish. The system automatically organizes the pages, generates watermarked versions, and makes the Bible available to users.

AI Processing Cost

The AI that reads and organizes your Bible scans costs approximately **\$8 to \$15 per complete Bible** (~1,000 pages). This is a one-time cost per Bible, not a recurring charge. For context, doing this manually would take hundreds of hours of labor.

Item	Cost	Notes
Per Bible (~1,000 pages)	\$8-15	One-time processing cost
Initial batch (8 Bibles)	\$64-120	All your Bibles processed
Each additional Bible	\$8-15	As you add new content

4. Security & Access Control

Restricting access to government entities was a core requirement. Rather than relying on IP-based filtering (which is easily bypassed with a VPN), we have designed a multi-layered defense system focused on identity verification and deterrence.

4.1 Defense Layers

Layer	How It Works	What It Prevents
Mandatory Registration	Every user must verify email + phone via SMS	Anonymous access is impossible
Government Email Blocking	Automatic rejection of .gov, .mil, .gob.* and similar domains across all countries	Government employees using work email
Phone Verification	Real mobile number required (VoIP rejected)	Throwaway/anonymous accounts
Identity Traceability	Every user action is logged to their verified identity	If access is gained, the identity is known
Anomaly Detection	System flags suspicious patterns (e.g., government IP + personal email)	Alerts you to investigate

4.2 Government Email Blocklist

The platform automatically rejects registration attempts from known government email domains. You can add or remove domains from the admin dashboard at any time without needing a developer.

Region	Blocked Domains
United States	.gov, .mil, .fed.us, .state.*.us
United Kingdom	.gov.uk, .mod.uk, .police.uk, .nhs.uk
Canada	.gc.ca, .canada.ca
Australia	.gov.au, .defence.gov.au
European Union	.europa.eu + national .gov.* domains
Latin America	.gob.* and .gov.* per country (AR, MX, BR, CO, etc.)
Military (worldwide)	.mil, .army.*, .navy.*

4.3 Important Note on Security

No system can guarantee 100% prevention of determined access. A government agent could register with a personal email and personal phone. However, this system ensures that:

- They must **burn a real personal identity** to gain access
- Every action they take is **permanently logged and traceable**
- If they share content, the **watermark identifies them**
- If discovered, their account is **banned and their phone number blacklisted**

This makes unauthorized access expensive, risky, and traceable rather than easy and anonymous.

5. Content Protection & Watermarking

Every image and PDF served by the platform carries protection to deter unauthorized sharing and enable traceability if content is leaked.

5.1 How It Works

Scenario	Protection	Details
Viewing pages online	Public watermark + invisible user ID	SoulPower logo overlay visible on all pages. Invisible digital fingerprint tied to the viewer's account.
Downloading PDFs	Full watermark embedded in file	Each PDF contains visible branding + invisible buyer identification. Cannot be removed easily.
Screenshots	Watermark persists in captures	Both visible and invisible watermarks are captured in any screenshot or screen recording.

5.2 Anti-Forwarding Protection

Original PDF files are never delivered to users. When someone downloads a Bible, the system generates a unique copy with their identity embedded. If that PDF appears anywhere on the internet, it can be traced back to the specific user who downloaded it.

5.3 Additional Measures

The platform also implements: right-click disabled on images, print function blocked, text selection disabled on scan pages, and blank page displayed if someone tries to use browser print. These are not foolproof but add friction for casual sharing attempts.

6. Subscription Tiers & Payments

Feature	Free (Registered)	Natural (\$7.77/mo)	Supernatural (\$13.33/mo)
View Bible scans page-by-page	Yes	Yes	Yes
Download Bibles (donation-based)	Yes	Yes	Yes
Word search across all Bibles	No	Yes	Yes
Create forum threads	No	Yes	Yes
Comment on forum threads	No	Yes	Yes
Screenshot Bibles for forum upload	No	No	Yes
Visual/image search by noun	No	No	Yes
Start threads with uploaded photos	No	No	Yes
Eligible for admin role	No	No	Yes
Upload own PDF scans for sale	No	No	Yes (FEC keeps 15%)

6.1 Payment Processing

All payments are handled through **Stripe**, the industry standard for online payments. Stripe handles credit card processing, subscription management, recurring billing, and automatic retry for failed payments. You receive payouts directly to your bank account.

6.2 Donation Downloads

Each Bible and book has a minimum donation amount that you set. Users pay at least that amount (they can donate more). You set the minimum for each book individually when you upload it. Stripe processing fee is 2.9% + \$0.30 per transaction.

6.3 Contributor Marketplace

Supernatural members can upload their own Bible scans for others to download. Revenue is automatically split: 85% to the contributor, 15% to FEC. This is handled automatically by the payment system with no manual intervention required.

7. Community Forum

The discussion board functions similarly to Reddit, where users can start threads on topics and engage in conversations. Access is restricted to paying subscribers.

Feature	Natural Members	Supernatural Members
Create discussion threads	Yes	Yes
Comment on threads	Yes	Yes
Upload images to threads	No	Yes
Upload screenshots from Bibles	No	Yes
Eligible for admin/moderator	No	Yes

The forum is planned as a secondary launch phase. The core platform (Bible viewing, downloads, subscriptions) will launch first, and the forum will be added based on community demand. This ensures the most critical features are rock-solid before adding community complexity.

8. Performance & Scalability

With 650,000 Instagram followers, launch day could bring thousands of simultaneous visitors. The platform is designed to handle this from minute one.

8.1 How We Handle Your Traffic

Image delivery is offloaded to Cloudflare's global network. When a user views a Bible page, the image is served from whichever Cloudflare datacenter is closest to them (300+ locations worldwide). Our server only handles user authentication and business logic. This means even if 10,000 people are viewing pages simultaneously, the server is barely working.

Traffic Level	Expected Experience	Infrastructure
Launch day (thousands)	Fast page loads, instant image display	Single server + CDN
Growth (5,000 monthly users)	Same performance, more cache hits	Primary + standby server
Scale (50,000+ users)	Same performance, distributed load	Multiple servers + load balancer

8.2 Attack Protection

Cloudflare provides enterprise-grade DDoS protection included in the plan. This automatically blocks malicious traffic, bot attacks, and denial-of-service attempts before they reach the server. Given the platform's visibility, this is essential and active from day one.

9. Infrastructure & Reliability

9.1 Where Your Data Lives

Data	Location	Protection
Bible scans & images	Cloudflare R2 (global cloud storage)	Encrypted, replicated, zero egress cost
User data & forum	Neon Serverless PostgreSQL	Encrypted, daily backups, point-in-time recovery
Application	Hetzner EU Datacenter	Automated daily snapshots
Cold backup (disaster recovery)	Backblaze B2	Full copy of all data, separate provider

9.2 What Happens If Something Breaks

Scenario	Recovery Time	Data Loss
Server goes down (with standby)	60-120 seconds (automatic)	None
Server goes down (without standby)	15-30 minutes	None (DB & storage are external)
Database corruption	Minutes (point-in-time restore)	Seconds of data at most
Storage provider issue	< 1 hour (switch to backup)	None (full backup on separate provider)

9.3 Monitoring

The platform is monitored 24/7 with automated alerts. If the site goes down, if errors spike, or if performance degrades, alerts are sent immediately via email and messaging. A health dashboard provides real-time visibility into system status.

10. Monthly Operating Costs

These are the ongoing costs to keep the platform running. All services are pay-as-you-go and scale with usage.

10.1 At Launch (~500 users/month)

Service	What It Does	Cost/mo
Cloudflare Pro	DDoS protection, CDN, SSL, caching	\$20.00
Neon Postgres	Database (users, content, search)	\$19.00
Hetzner Server	Application hosting	\$9.00
Cloudflare R2	Bible scan storage (500GB)	\$7.50
Twilio SMS	Phone verification for registration	\$7.50
Backblaze B2	Disaster recovery backup	\$3.00
Server Backups	Daily automated snapshots	\$2.00
Domain	Your domain name	\$1.00
Monitoring	Sentry + Grafana + UptimeRobot	\$0.00
TOTAL		~\$69/mo

10.2 At Growth (~5,000 users/month)

Service	What Changes	Cost/mo
Everything above	Base infrastructure	\$69.00
Standby server	Automatic failover for reliability	\$6.00
Load Balancer	Routes traffic between servers	\$5.00
Storage upgrade	1TB for more content	\$7.50
Twilio SMS	More registrations	\$67.50
Backup increase	More data to back up	\$3.00
TOTAL		~\$159/mo

10.3 At Scale (~50,000+ users/month)

Service	What Changes	Cost/mo
Multi-server setup	Handles high concurrent traffic	\$60.00
Expanded storage	2TB of content	\$30.00
Database scaling	More compute for search queries	\$39.00
Twilio SMS	High volume verifications	\$500+
Dedicated search (if needed)	Faster search at scale	\$30.00
Other services	Backups, monitoring, domain	\$11.00
TOTAL		~\$670/mo

Note: Stripe charges 2.9% + \$0.30 per transaction on all payments (donations and subscriptions). This is standard across all payment processors and is not included in the totals above as it varies with revenue volume.

11. Launch Plan

Development is structured in phases, with the most critical features delivered first. This ensures the platform is solid and tested before adding community features.

Phase	What Gets Built	Outcome
Phase 1 Foundation	User registration with 2FA Government email blocking Database & storage setup Caching & CDN configuration System monitoring & alerts	Secure infrastructure ready for content and users
Phase 2 Core Product	Admin panel with AI upload Bible scan viewer with watermarks Subscription system (Natural + Supernatural) Donation-based downloads Search functionality	Fully functional platform ready for launch
Phase 3 Community (Post-launch)	Discussion forum Thread creation & comments Image uploads for Supernatural members Contributor marketplace	Community engagement features added
Phase 4 Hardening	Failover server setup Load testing (simulating launch spike) Security audit Disaster recovery testing	Platform battle-tested and production-ready

Recommended launch strategy: Release Phase 1 + 2 + 4 (core platform without forum) first. This gets your Bibles online, subscriptions running, and donations flowing as quickly as possible. The forum (Phase 3) can be added after launch based on community demand.

12. Decisions We Need From You

Before we begin development, we need your input on the following decisions. Each one affects how the platform looks, feels, and functions.

Watermark Style

Should the watermark on Bible images be **visible** (faint SoulPower logo that users can see - stronger deterrent against sharing) or **invisible** (hidden digital fingerprint that users cannot see - better viewing experience but requires forensic tools to trace leaks)?

Forum Priority

Do you want the community forum included in the initial launch, or should we launch the core platform first (viewing, downloads, subscriptions) and add the forum later? Launching without the forum gets the platform live faster.

Email Blocking Scope

How aggressively should we block government emails? **Standard** blocks obvious domains (.gov, .mil, .gob). **Aggressive** also blocks government contractors, state universities, and related organizations but risks blocking legitimate users who happen to work at those institutions.

Phone Verification Level

Should we accept any phone number that can receive SMS, or should we also verify the carrier type to reject VoIP and virtual numbers? Carrier verification adds a small cost per registration but prevents users from signing up with throwaway internet phone numbers.

Content Upload Method

The recommended approach uses AI to automatically process your Bible scans at a cost of \$8-15 per Bible. This is the fastest and most accurate method. The alternative is a manual process that would take significantly longer. We strongly recommend the automated approach.

Launch Scope

Launch with the full platform (core + forum) or launch core first and add the forum based on community demand? Our recommendation: **launch core first** to get revenue flowing and prove the concept before investing in community features.

Ready to start. Once you confirm the decisions above, we can begin building immediately. The goal is to get SoulPower live and serving your community as quickly as possible.

If you have any questions about this proposal, do not hesitate to reach out.

End of Proposal - SoulPower Technical Proposal