

PostController.php

IdeaController.php  
TemplateController.php  
AssetController.php  
AnalyticsController.php  
NotificationController.php  
AiToolController.php  
TicketController.php  
Admin/  
AdminDashboardController.php  
AdminUserController.php  
AdminWorkspaceController.php  
AdminPlanController.php  
AdminAiToolController.php  
AdminUsageController.php  
AdminTicketController.php  
AdminSettingsController.php  
AdminLogController.php  
Application/  
Services/  
AuthService.php  
UserService.php  
WorkspaceService.php  
TeamService.php  
SocialAccountService.php  
PostService.php  
IdeaService.php  
TemplateService.php  
AssetService.php  
AnalyticsService.php  
NotificationService.php  
AiOrchestrationService.php  
TicketService.php  
Admin/  
AdminUserService.php  
AdminWorkspaceService.php  
AdminPlanService.php  
AdminAiService.php  
AdminUsageService.php  
AdminTicketService.php  
AdminSettingsService.php  
AdminLogService.php  
Domain/  
Models/  
User.php  
Workspace.php  
TeamMember.php  
Plan.php  
Subscription.php  
SocialAccount.php  
Post.php  
PostSchedule.php  
Idea.php  
Template.php  
Asset.php  
Notification.php  
AiTool.php  
AiRequestLog.php  
AnalyticsSnapshot.php  
Ticket.php  
TicketMessage.php  
SystemSetting.php  
AuditLog.php

```

Enums/
  Role.php
  PlanType.php
  PostStatus.php
  TicketStatus.php
  NotificationType.php
  AiToolCategory.php
Infrastructure/
  Database/
    Connection.php
    Migrations/
      ... ██████████ SQL █████ PHP ██████████ ██████████ ██████████ ...
  Repositories/
    UserRepository.php
    WorkspaceRepository.php
    TeamRepository.php
    PlanRepository.php
    SubscriptionRepository.php
    SocialAccountRepository.php
    PostRepository.php
    PostScheduleRepository.php
    IdeaRepository.php
    TemplateRepository.php
    AssetRepository.php
    NotificationRepository.php
    AiToolRepository.php
    AiRequestLogRepository.php
    AnalyticsRepository.php
    TicketRepository.php
    TicketMessageRepository.php
    SystemSettingRepository.php
    AuditLogRepository.php
  Services/
    Mailer.php
    Storage.php
    AiClient.php
    Logger.php
    Queue.php (██████████ ███ █████ ██████████ █████ ██████████ ████████████)
Config/
  config.php
  database.php
  ai.php
  mail.php
Support/
  Helpers.php
  ResponseFormatter.php
  Validator.php
Auth/
  JwtManager.php
  PasswordHasher.php
cron/
  publish_scheduled_posts.php
  sync_social_stats.php
  recompute_analytics.php
  cleanup_logs.php
vendor/ (████ █████ ██████████ Composer)
.env.example
README.md

```

### 3. ██████████ (Modules) ██████████ ██████████-██████

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■■■■ ■■■■■■ ■■■■■■-■■■■ ■■■■ ■■■■■■ (Modules) ■■■■■■ ■■ ■■■■■■ ■■■■■■■■ ■■■■■■:

- 1) ■■■■■ ■■■■■■■■■■ ■■■■■■■■■■ (Auth & Users)
- 2) ■■■■■ ■■■■ Workspaces ■■■■■■■■ (Workspaces & Teams)
- 3) ■■■■■ ■■■■■■ ■■■■■■■■■■ (Plans & Subscriptions)
- 4) ■■■■■ ■■■■■■ ■■■■■■■■■■ (Social Accounts)
- 5) ■■■■■ ■■■■■■ ■■■■■■■■■■ (Content & Posts)
- 6) ■■■■■ ■■■■ ■■■■■■■■ ■■■■■■■■■■ (Ideas & Templates)
- 7) ■■■■■ ■■■■■■ ■■■■■■■■■■ (Assets)
- 8) ■■■■■ ■■■■■■■■■■ (Notifications)
- 9) ■■■■■ ■■■■■■ ■■■■■■■■■■ (AI Orchestration & Tools)
- 10) ■■■■■ ■■■■■■■■■■ (Analytics)
- 11) ■■■■■ ■■■■■■ ■■■■■■ (Support Tickets)
- 12) ■■■■■ ■■■■■■ ■■■■■■ ■■■■■■■■ ■■■■■■■■ (Settings & Logs)
- 13) ■■■■■ ■■■■ ■■■■ ■■■■■■ (Admin Panel APIs)

■■■■ ■■■■ ■■■ ■■■■■■:

- ■■■■■■ Domain Models.
- Repositories ■■■■■■■■ ■■ ■■■■■ ■■■■■■■■.
- Services ■■■■■ ■■■ ■■■■ ■■■■■■■■.
- Controllers ■■■■■ ■■■■ ■■■■■ API ■■■■■■■■ ■■■■■■ ■■■■■■■■-■■■■.

#### 4. ■■■■■ ■■■■■■ ■■■■■■■■ – ■■■■ ■■■■■■ ■■■■■■■■

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■■■■ ■■■■ ■■■■■■ ■■■■■■■■ ■■■■■■■■ (■■■■ ■■■■■■ ■■■■■■ ■■■■■■■■):

##### 4.1. ■■■■■ users

- id (PK)
- name
- email (unique)
- password\_hash
- role (system-level role: user, admin, super\_admin)
- is\_active (boolean)
- last\_login\_at (datetime)
- created\_at, updated\_at

##### 4.2. ■■■■■ workspaces

- id (PK)
- owner\_id (FK → users.id)
- name
- slug
- timezone
- brand\_voice\_tone (friendly, expert, funny...)
- brand\_voice\_notes (text)
- status (active, suspended)
- created\_at, updated\_at

##### 4.3. ■■■■■ team\_members

- id (PK)
- workspace\_id (FK → workspaces.id)
- user\_id (FK → users.id)
- role (owner, manager, editor, viewer)
- invitation\_status (pending, accepted, declined)
- created\_at, updated\_at

##### 4.4. ■■■■■ plans

- id (PK)
- name (Free, Pro, Agency...)
- description

- price\_monthly
- price\_yearly
- max\_workspaces\_per\_user
- max\_social\_accounts\_per\_workspace
- max\_ai\_requests\_per\_month
- is\_active
- created\_at, updated\_at

#### 4.5. ■■■■ subscriptions

- id (PK)
- user\_id (FK → users.id)
- plan\_id (FK → plans.id)
- status (active, canceled, expired)
- current\_period\_start
- current\_period\_end
- created\_at, updated\_at

#### 4.6. ■■■■ social\_accounts

- id (PK)
- workspace\_id (FK → workspaces.id)
- platform (instagram, tiktok, youtube, x, facebook, ...)
- handle
- display\_name
- external\_id (id ■■■ ■■■■■■■■)
- auth\_status (connected, expired, revoked)
- access\_token (■■■■■)
- refresh\_token (■■■■■)
- token\_expires\_at (datetime)
- last\_synced\_at (datetime)
- created\_at, updated\_at

#### 4.7. ■■■■ posts

- id (PK)
- workspace\_id (FK)
- social\_account\_id (FK, nullable ■■■ ■■■■■ ■■■■■ ■■■■■■■■)
- content\_text (text)
- media\_group\_id (■■■■■■ ■■■■■ ■■■■■■■■ ■■ ■■■■■ ■■■■■■■■ ■■■■ ■■■■)
- status (draft, scheduled, published, failed)
- source (manual, ai, idea, template)
- created\_by (FK → users.id)
- created\_at, updated\_at

#### 4.8. ■■■■ post\_schedules

- id (PK)
- post\_id (FK → posts.id)
- scheduled\_at (datetime)
- published\_at (datetime, nullable)
- publish\_status (pending, completed, failed)
- fail\_reason (nullable)
- created\_at, updated\_at

#### 4.9. ■■■■ ideas

- id (PK)
- workspace\_id (FK)
- title
- description (text)
- platform (nullable)
- tags (■■ ■■■■■ ■■ ■■■■■ ■■■■■■■■)
- source (user, ai)
- status (idea, draft, used, archived)
- created\_by (FK → users.id)
- created\_at, updated\_at

#### 4.10. ■■■■ templates

- id (PK)
- workspace\_id (FK, ■■■■ ■■ ■■■■ null ■■■■■■■■ ■■■■■■■■)
- name
- type (caption, script, email, reply...)
- platform
- body (text)
- is\_global (boolean)
- created\_by (FK → users.id)
- created\_at, updated\_at

#### 4.11. ■■■■ assets

- id (PK)
- workspace\_id (FK)
- file\_name
- file\_path
- file\_type (image, video, audio, other)
- mime\_type
- size\_bytes
- tags
- uploaded\_by (FK → users.id)
- created\_at, updated\_at

#### 4.12. ■■■■ notifications

- id (PK)
- user\_id (FK → users.id)
- type (enum: system, ai\_insight, schedule, billing, support)
- title
- body (text)
- link\_url (nullable)
- is\_read (boolean)
- created\_at, read\_at

#### 4.13. ■■■■ ai\_tools

- id (PK)
- key (video\_ideas, caption\_generator, hashtag\_generator...)
- name
- description
- category (video, image, text, engagement, analytics, strategy)
- is\_enabled (boolean)
- allowed\_plan\_ids (■■■■ ■■■■■■■■ ■■■■■■■■ JSON ■■ ■■■■ ■■■■ plan\_ai\_tool)
- created\_at, updated\_at

#### 4.14. ■■■■ ai\_request\_logs

- id (PK)
- workspace\_id (FK)
- user\_id (FK)
- ai\_tool\_id (FK)
- input\_text (text)
- output\_size\_tokens (int ■■■■■■■■)
- status (success, failed)
- error\_message (nullable)
- created\_at

#### 4.15. ■■■■ analytics\_snapshots

- id (PK)
- workspace\_id (FK)
- social\_account\_id (FK)
- metric\_date
- followers\_count
- impressions

- likes
- comments
- shares
- saves
- views
- created\_at

#### 4.16. tickets

- id (PK)
- workspace\_id (FK, nullable)
- user\_id (FK → users.id)
- subject
- status (open, in\_progress, closed)
- priority (low, normal, high)
- created\_at, updated\_at

#### 4.17. ticket\_messages

- id (PK)
- ticket\_id (FK → tickets.id)
- sender\_type (user, admin)
- sender\_id (FK → users.id admin\_users)
- body (text)
- created\_at

#### 4.18. system\_settings

- id (PK)
- key
- value (text/json)
- created\_at, updated\_at

#### 4.19. audit\_logs

- id (PK)
- user\_id (FK)
- action (login, create\_post, update\_plan, ...)
- entity\_type (User, Workspace, Post,...)
- entity\_id
- ip\_address
- user\_agent
- created\_at

### 5. API (Endpoints)

(Endpoints)

#### 5.1. Auth & Users

- POST /api/auth/register
  - : name, email, password, account\_type, plan\_id
  - : user, access\_token
- POST /api/auth/login
  - : email, password
  - : user, access\_token
- POST /api/auth/logout
- POST /api/auth/refresh
- POST /api/auth/forgot-password
- POST /api/auth/reset-password
- GET /api/me
  - : + Workspaces

#### 5.2. Workspaces & Teams

- GET /api/workspaces

- POST /api/workspaces
- GET /api/workspaces/{id}
- PUT /api/workspaces/{id}
- DELETE /api/workspaces/{id} (■■ ■■■■■■ ■■■■■■ ■■■)

### 5.3. ■■■■ Plans & Subscriptions

- #### 5.4. ■■■■ Social Accounts

## 5.5. ■■■■ Posts & Scheduling

## 5.6. ■■■ Ideas

## 5.7. ■■■■ Templates

## 5.8. ■■■■ Assets



- DELETE /api/assets/{id}

#### 5.9. ■■■■ Notifications

- GET /api/notifications
- POST /api/notifications/mark-all-read
- POST /api/notifications/{id}/read

#### 5.10. ■■■■ AI Tools & Requests

- GET /api/ai/tools
- GET /api/ai/tools/{key}
- POST /api/ai/tools/{key}/invoke
  - ■■■■■■■■: input\_text, platform, language, tone, extra\_options...
  - ■■■■■■■■: ■■■■■ ■■■■■ (generated\_outputs) + meta
- GET /api/ai/history
  - ■■■ ■■■ ■■■■■■■ ■■■ ■■■■■■■/Workspace.

#### 5.11. ■■■■ Analytics

- GET /api/workspaces/{id}/analytics/overview
- GET /api/workspaces/{id}/analytics/platform
- GET /api/workspaces/{id}/analytics/audience
- GET /api/workspaces/{id}/analytics/content

#### 5.12. ■■■■ Tickets (Support)

- GET /api/tickets
- POST /api/tickets
- GET /api/tickets/{id}
- POST /api/tickets/{id}/messages
- PUT /api/tickets/{id} (■■■■■ ■■■■■ ■■ ■■■■ ■■■■■■■)

#### 5.13. ■■■■ Settings (User & Workspace)

- GET /api/account/settings
- PUT /api/account/settings
- GET /api/workspaces/{id}/settings
- PUT /api/workspaces/{id}/settings

#### 5.14. Endpoints ■■■■ ■■■■■ ■■■■■■ (Admin APIs)

- prefix: /api/admin/\*
- ■■■■■:
- GET /api/admin/overview
- GET /api/admin/users
- GET /api/admin/users/{id}
- PUT /api/admin/users/{id}/status
- GET /api/admin/workspaces
- GET /api/admin/workspaces/{id}
- PUT /api/admin/workspaces/{id}/status
- GET /api/admin/plans
- POST /api/admin/plans
- PUT /api/admin/plans/{id}
- GET /api/admin/ai/tools
- POST /api/admin/ai/tools
- PUT /api/admin/ai/tools/{id}
- GET /api/admin/ai/usage
- GET /api/admin/tickets
- GET /api/admin/tickets/{id}
- PUT /api/admin/tickets/{id} (■■■■■ ■■■■■)
- POST /api/admin/tickets/{id}/messages
- GET /api/admin/settings
- PUT /api/admin/settings
- GET /api/admin/logs

## 6. ■■■■■■ ■■■■■■ ■■■■■■ (Background Jobs & Cron)

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6.1. ■■■ ■■■■■■■■■■ ■■■■■■■■■■

- ```
- ##### cron: cron/publish_scheduled_posts.php
- #####:
- ##### ## post_schedules ### publish_status = 'pending' ■ scheduled_at <= #####.
- ##### ##### (## ##### ##### ## ##### #####).
- ##### ##### publish_status ### completed ## failed.
- ##### ##### ##### ## ## ##### ## #####.
```

## 6.2. ■■■■■■ ■■■■■■■■ ■■■■■■■■ (Social Stats Sync)

- ```
- █████ cron: cron/sync_social_stats.php
- █████:
- █████ █████ social_accounts █████ (auth_status = connected).
- █████ APIs █████ (████ █████ █████) █████ ████████████████████.
- █████ ████████████████████ █████ analytics_snapshots.
- █████ last_synced_at █████ social_accounts.
```

### 6.3. ■■■■■ ■■■■ ■■■■■■■■■■ ■■■■■■■■■■

- ```
- ##### cron: cron/recompute_analytics.php
- #####:
- ##### analytics_snapshots ##### posts #####.
- ##### ##### ##### ##### ##### #####.
```

#### 6.4. ■■■■■ ■■■■■■ ■■■■■■■■ ■■■■■■■■

- [illegible]

7. ■■■■■ ■■■■■■■■■■ (Security)

■■■■ ■■ ■■■■■■ ■■■■■■-■■■ ■■■■■■■■ ■■ ■■■■■■ ■■■■■■ ■■■■■■■■:

### 7.1. ■■■■■■■■■■ (Authentication)

- [illegible]

## 7.2. ■■■■■ ■■■■■■■■■■ (Authorization & RBAC)

- ```
- ██████████ ███ ████████ ████████: user, admin, super_admin.  
- ██████████ ███ ████████ Workspace: owner, manager, editor, viewer.  
- ██████████ ██ █ Endpoint ███:  
  - ███ ██████████ ████████ ████████  
  - ███ ███████ ██████████ ██████████ █████ ██████████ Workspace/██████████ ██████████
```

### 7.3. ■■■■■ ■■ ■■■■■■■■■■ ■■■■■■■■■■

- CSRF Protection (████████████████████).
- SQL Injection: Prepared Statements .
- XSS: (frontend) .
- Rate Limiting () Endpoints /████████████████████ AI.

7.4. ■■■■■ ■■■■■■■■■■ ■■■■■■■■■■

- ■■■■■ Tokens ■■■■■ (access\_token, refresh\_token).
- ■■■■■ Logs.

### 7.5. ■■■■■■■■ (Auditing)

- [illegible]

=====

## - Config/database.php: ■■■■■■■■■■ ■

## - Logger ██████████ ██████████ Logs ██████████

- [REDACTED]

=====

\_\_\_\_\_

- \_\_\_\_\_

- ██████████ ██████████ ██████████ ████████████████████ (Connection.php).

- Router + index.php.

- ResponseFormatter

- ##### workspace team members plans subscriptions

## - ■■■■■ AuthService UserService WorkspaceSer

- ##### AuthnService, UserService, WorkspaceService.  
##### @ : // #####

- ■■■■■■ Controllers ■■■■■■ ■■■■.

- ■■■■■ Endpoints:

- /api/auth/register, /api/auth/login, /api/me, /api/workspaces

- ■■■■■■■■■■ ■■■■■■■■■■ ■■■■■■■■■■ (■■■■■■■■■■ ■■■■■■■■■■ ■■■■■■■■■■ Workspace)

## - ■■■■■ ■■■■■ ■■■■■ ■■■■■ Workspace

- ```
##### workspace (team_members):
##### /home/runner/.ssh/known_hosts
```

- ██████████ ██████████ ██████████ ████████████████████ (plans, subscriptions) - █████ █████ ████████████████████.

- ■■■■■ social\_accounts APIs (■■■■■/■■■■■/■■■/■■■■■ ■■■■■■).

## - ■■■■■ PostService IdeaService TemplateService

- IOSTervice, IdeaService, TemplateService.  
■■■■■ ■■■■■

- `posts`, `post_schedules`, `ideas`, `templates`.

- ■■■■■ Endpoints ■■■■■:

- [REDACTED]

- ##### (collender schedule post idccc templates)**

```
- ██████████ AssetService ██████████ Storage (██████████ ████████████████████
```

- ```

- ██████████ AssetService ██████████ Storage (██████████ ████████████ ████████████████████).
  ██████████ ██████████

```

- **100% of assets.**

- [REDACTED] [REDACTED] [REDACTED] [REDACTED] ( [REDACTED] / [REDACTED] ) [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED].

## - ■■■■ AiClient (■■■■ ■■■■■■■■ ■■■■■ AI)

- [illegible]

- [illegible]

- ```
- ai_tools ai_request_logs.
```

- Endpoints:
  - GET /api/ai/tools
  - POST /api/ai/tools/{key}/invoke
-    AI Studio.

7 – (Analytics)

- ■■■■■■ analytics\_snapshots.
- ■■■■■■ cron jobs:
  - publish\_scheduled\_posts.php
  - sync\_social\_stats.php
  - recompute\_analytics.php
- ■■■■■■ AnalyticsService ■Endpoints ■■■■■■■■■■.

**8- [REDACTED] [REDACTED]**

- ```
- ██████ NotificationService █ TicketsService.
- ██████ ██████ notifications, tickets, ticket_messages.
- Endpoints ██████████ ██████ ██████████.
```

■■■■■■■■ 9 – ■■■■ ■■■■ ■■■■■■ (Admin APIs)

- Admin\*Services (Users, Workspaces, Plans, AI, Tickets, Settings, Logs).
- Controllers Http/Controllers/Admin.
- Endpoints /api/admin/\* Admin Panel

**■■■■■ ■■■■ 10- ■■■■■ ■■■■■■■■ ■■■■■■■■**

- **Logos** (Logos are the visual identity of a brand).
- **API (Application Programming Interface)** (API is a set of protocols and tools for building an application).

□□□□ □□□□□:

- [illegible]