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Combined Size: ~2.1MB	3

RADIANT v4.17.0 - Section Files for Windsurf/Claude Opus 4.5

Implementation Order

Implement these sections in numerical order. Each section depends on previous sections.

Phase 1: Foundation (Sections 0-2)

- 00-HEADER-AND-OVERVIEW.md - Read first for context
- SECTION-00-SHARED-TYPES-AND-CONSTANTS.md - TypeScript types, implement first
- SECTION-01-SWIFT-DEPLOYMENT-APP.md - macOS Swift app
- SECTION-02-CDK-INFRASTRUCTURE-STACKS.md - VPC, Aurora, S3, etc.

Phase 2: Core Infrastructure (Sections 3-7)

- SECTION-03-CDK-AI-AND-API-STACKS.md - API Gateway, SageMaker, LiteLLM
- SECTION-04-LAMBDA-CORE.md - Core Lambda functions
- SECTION-05-LAMBDA-ADMIN-BILLING.md - Admin & billing Lambdas
- SECTION-06-SELF-HOSTED-MODELS.md - SageMaker model configs
- SECTION-07-DATABASE-SCHEMA.md - 140+ tables with RLS

Phase 3: Admin & Deployment (Sections 8-9)

- SECTION-08-ADMIN-DASHBOARD.md - Next.js admin UI
- SECTION-09-DEPLOYMENT-GUIDE.md - Build & deploy scripts

Phase 4: AI Features (Sections 10-17)

- SECTION-10-VISUAL-AI-PIPELINE.md - Image processing
- SECTION-11-RADIANT-BRAIN.md - Intelligent routing
- SECTION-12-METRICS-ANALYTICS.md - Usage tracking

- SECTION-13-NEURAL-ENGINE.md - User preferences (pgvector)
- SECTION-14-ERROR-LOGGING.md - Centralized errors
- SECTION-15-CREDENTIALS-REGISTRY.md - API key management
- SECTION-16-AWS-ADMIN-CREDENTIALS.md - AWS credentials
- SECTION-17-AUTO-RESOLVE-API.md - Auto-resolve requests

Phase 5: Consumer Platform (Sections 18-28)

- SECTION-18-THINK-TANK-PLATFORM.md - Consumer AI interface
- SECTION-19-CONCURRENT-CHAT.md - Split-pane multi-chat
- SECTION-20-REALTIME-COLLABORATION.md - Yjs CRDT
- SECTION-21-VOICE-VIDEO.md - Audio/video input
- SECTION-22-PERSISTENT-MEMORY.md - Cross-session memory
- SECTION-23-CANVAS-ARTIFACTS.md - Rich content
- SECTION-24-RESULT-MERGING.md - AI synthesis
- SECTION-25-FOCUS-MODES-PERSONAS.md - Custom personas
- SECTION-26-SCHEDULED-PROMPTS.md - Recurring tasks
- SECTION-27-FAMILY-TEAM-PLANS.md - Shared subscriptions
- SECTION-28-ANALYTICS-INTEGRATION.md - Usage analytics

Phase 6: Advanced Features (Sections 29-35)

- SECTION-29-ADMIN-EXTENSIONS.md - Additional admin pages
- SECTION-30-DYNAMIC-PROVIDER-REGISTRY.md - xAI/Grok support
- SECTION-31-MODEL-SELECTION-PRICING.md - User model choice
- SECTION-32-TIME-MACHINE-CORE.md - Chat history versioning
- SECTION-33-TIME-MACHINE-UI.md - Visual timeline
- SECTION-34-ORCHESTRATION-ENGINE.md - Database-driven workflows
- SECTION-35-LICENSE-MANAGEMENT.md - Model licenses

Phase 7: Intelligence Layer (Sections 36-39)

- SECTION-36-UNIFIED-MODEL-REGISTRY.md - 106+ models
- SECTION-37-FEEDBACK-LEARNING.md - User feedback loop
- SECTION-38-NEURAL-ORCHESTRATION.md - Neural-first routing
- SECTION-39-WORKFLOW-PROPOSALS.md - Evidence-based workflows

Phase 8: Platform Hardening (Sections 40-42)

- SECTION-40-APP-ISOLATION.md - Per-app data isolation
- SECTION-41-INTERNATIONALIZATION.md - 18 languages
- SECTION-42-DYNAMIC-CONFIGURATION.md - Runtime parameters

Phase 9: Billing & Enterprise (Sections 43-46)

- SECTION-43-BILLING-CREDITS.md - 7-tier subscriptions
- SECTION-44-STORAGE-BILLING.md - S3/DB pricing
- SECTION-45-VERSIONED-SUBSCRIPTIONS.md - Grandfathering
- SECTION-46-DUAL-ADMIN-APPROVAL.md - Two-person approval

File Sizes

Section	Size	Description
00	43KB	Header & Overview
00-TYPES	39KB	Shared Types
01	90KB	Swift App
02	94KB	CDK Infrastructure
03	128KB	CDK AI/API
04	101KB	Lambda Core
05	75KB	Lambda Admin
06	95KB	Self-Hosted Models
07	208KB	Database Schema (largest)
08	146KB	Admin Dashboard
39	152KB	Workflow Proposals
41	118KB	Internationalization

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