

LinkedIn-First Social Media Scheduling Application

Complete Product & Technical Specification Document

1. Problem Statement

LinkedIn rewards consistency over virality. Professionals, founders, and creators understand this fundamental truth, yet most fail to post regularly. The barrier is not content creation—it's sustaining the habit.

Core Problems:

- **Daily Decision Fatigue:** Users must decide what to post every single day
- **Timing Issues:** Remembering to post at optimal times during busy work hours
- **Momentum Loss:** Missing 2-3 days breaks the habit entirely, motivation drops to zero
- **Tool Complexity:** Existing tools (Buffer, Hootsuite, Later) are multi-platform swiss army knives, not LinkedIn-optimized
- **Context Switching:** Opening LinkedIn during work creates distraction and time loss
- **Content Paralysis:** Staring at a blank post composer kills productivity

Why Existing Solutions Fail:

- Buffer/Hootsuite: Built for Twitter/Facebook era, LinkedIn is an afterthought
- Native LinkedIn: No scheduling on personal profiles, only company pages
- Complex tools: Require team permissions, analytics overload, learning curve
- Generic approach: Don't understand LinkedIn's professional content patterns

The Real Insight: Consistency is a systems problem, not a motivation problem. Users need to batch-create content in focused sessions, then let automation handle the daily publishing rhythm.

2. Solution Statement

A LinkedIn-first web application that removes daily posting friction through intelligent batch scheduling and automated publishing, making professional content consistency effortless and reliable.

Core Value Proposition: Spend 30 minutes once a week planning content, then show up professionally on LinkedIn every day without thinking about it.

Key Principles:

1. **LinkedIn-First Design:** Every feature optimized for LinkedIn's professional context
 2. **Batch Over Daily:** Create multiple posts in one focused session
 3. **Automation Over Reminders:** System publishes automatically, no daily login required
 4. **Clarity Over Features:** Simple, obvious UI that eliminates decision paralysis
 5. **Reliability Over Complexity:** Posts publish on time, every time
-

3. How We Are Going To Build It

3.1 Product Features & User Workflow

Core User Journey

Step 1: Authentication & Onboarding

- User lands on landing page explaining the value proposition
- User signs up with email (NextAuth.js)
- User connects LinkedIn account via OAuth 2.0
- System requests necessary LinkedIn API permissions:
 - `w_member_social` - Post content to LinkedIn
 - `r_liteprofile` - Read basic profile info
 - `r_emailaddress` - User email for account matching
- System stores OAuth tokens securely in database
- User is redirected to dashboard

Step 2: Dashboard Overview User sees at a glance:

- **Today's Status:** "Post published at 9:00 AM" or "Next post: Tomorrow 9:00 AM"
- **Calendar View:** Visual month view showing scheduled post dots
- **Quick Stats:** Posts published this month, current streak, upcoming posts count
- **Quick Actions:** "Create New Post", "Schedule Multiple Posts", "View Queue"

Step 3: Creating Content

Option A: Single Post Creation

- User clicks "Create New Post"
- Opens LinkedIn-style composer with character count (3,000 limit)

- User writes post in rich text editor (supports line breaks, emojis)
- Live preview shows exactly how post will appear on LinkedIn
- User chooses:
 - "Publish Now" - Immediate posting
 - "Schedule" - Opens date/time picker
 - "Add to Queue" - Adds to auto-schedule queue
- User saves as draft or schedules

Option B: Batch Post Creation (Power Feature)

- User clicks "Batch Create Posts"
- Interface shows 3-5 post composers stacked vertically
- User writes multiple posts in one session
- User clicks "Smart Schedule" which:
 - Analyzes user's preferred posting frequency (daily, alternate days, weekdays)
 - Suggests optimal time slots based on timezone
 - Distributes posts evenly across selected period
- User reviews auto-generated schedule in calendar view
- User confirms or adjusts individual times
- All posts scheduled in one click

Option C: AI-Assisted Creation (Future Enhancement)

- User enters topic/bullet points: "Launched new product feature, increased user retention by 40%"
- AI generates 3 post variations:
 - **Storytelling Style:** "Three months ago, our retention was struggling..."
 - **Data-Driven Style:** "New feature impact: 40% retention increase, here's what we learned..."
 - **Question Style:** "What if one feature could change your retention by 40%? Here's our journey..."
- User selects preferred version, edits, and schedules

Step 4: Content Calendar Management

- Calendar view shows all scheduled posts
- Color coding:
 - Green: Successfully published
 - Blue: Scheduled (pending)

- Red: Failed to publish
- Gray: Draft
- Click any post to:
 - Edit content
 - Reschedule time
 - Delete from queue
 - Duplicate and reschedule
- Drag-and-drop to change posting dates

Step 5: Automated Publishing

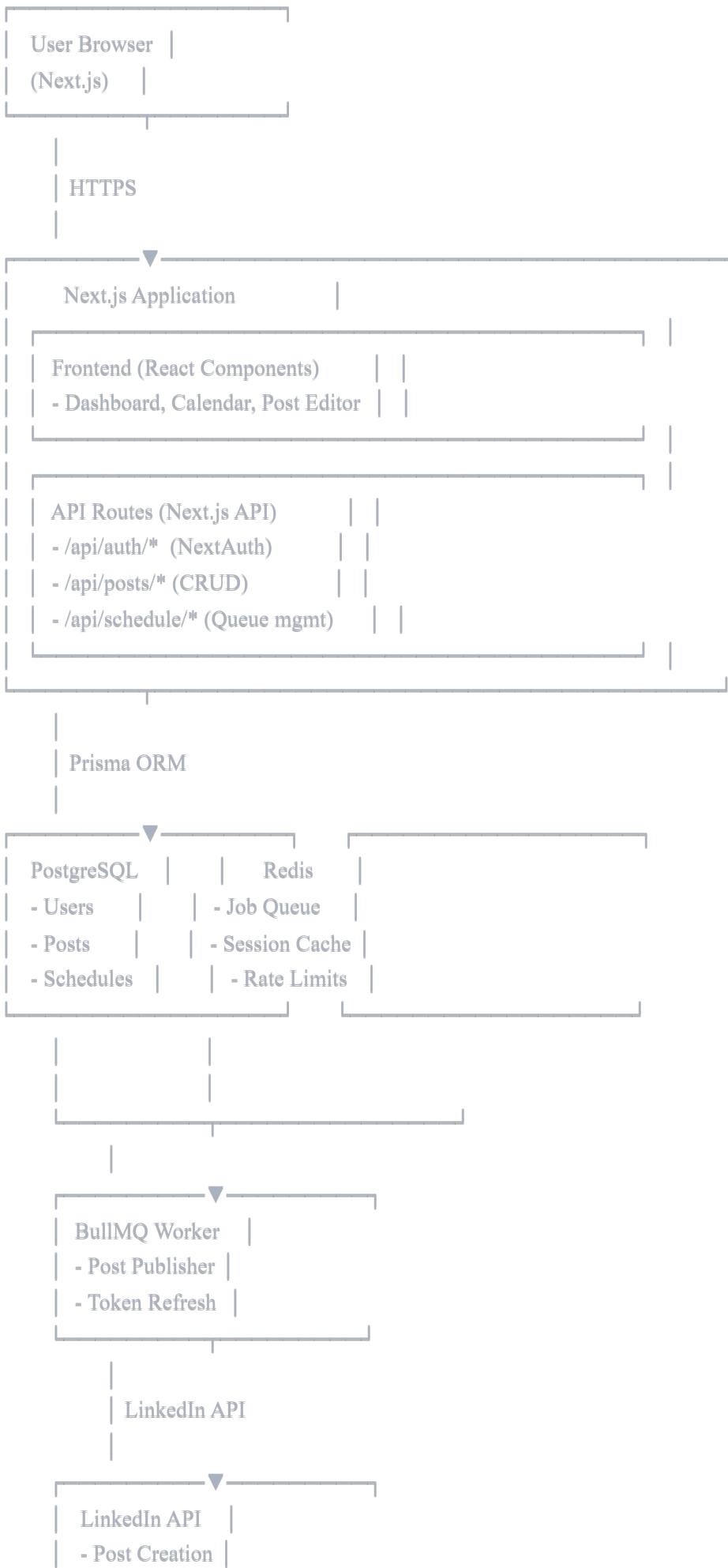
- System runs background job every minute checking for posts due to publish
- When post time arrives:
 - System retrieves post content and user's LinkedIn OAuth tokens
 - System calls LinkedIn API to publish post
 - System updates post status to "published"
 - System sends notification to user: "Your post 'How to build...' was published"
- If publishing fails:
 - System retries 3 times with exponential backoff (1min, 5min, 15min)
 - System marks post as "failed"
 - System sends notification: "Post failed to publish. LinkedIn token may have expired."
 - User can manually retry from dashboard

Step 6: Monitoring & Notifications

- Email notifications for:
 - Post published successfully
 - Post failed to publish (with reason)
 - LinkedIn token expiring soon (7 days before)
 - Weekly summary: "You published 5 posts this week, 12-day streak!"
- Dashboard notifications:
 - Red banner if any posts failed in last 24 hours
 - Yellow banner if LinkedIn token expires in < 7 days
 - Success toast when new post is scheduled

3.2 Technical Architecture

System Architecture Overview



Technology Stack (Detailed)

Frontend

- **Framework:** Next.js 14+ (App Router)
 - Why: Server-side rendering, API routes, optimized builds, best React DX
 - File structure: `/app` directory for routes, `/components` for UI
- **Styling:** Tailwind CSS 3+
 - Why: Rapid development, consistent design system, small bundle size
 - Custom theme for LinkedIn brand colors
- **UI Components:** shadcn/ui (built on Radix UI)
 - Pre-built accessible components: Calendar, Dialog, Dropdown, Toast
 - Customizable with Tailwind
- **State Management:**
 - React Query (TanStack Query) for server state
 - Zustand for client state (UI state, draft posts)
- **Forms:** React Hook Form + Zod validation
 - Type-safe form handling
 - Real-time validation
- **Rich Text Editor:**
 - Simple textarea with character count for MVP
 - Future: Lexical or Tiptap for formatting support
- **Date/Time:** date-fns for timezone handling
 - Critical: Always store UTC in DB, display in user's timezone

Backend

- **Runtime:** Node.js 20+ LTS
- **Framework:** Next.js API Routes
 - RESTful API design
 - `/api/auth/*` - Authentication endpoints
 - `/api/posts/*` - Post CRUD operations

- `/api/schedule/*` - Scheduling logic
- `/api/linkedin/*` - LinkedIn API proxy
- **Authentication:** NextAuth.js v5
 - Email provider (magic links or password)
 - LinkedIn OAuth provider
 - JWT session strategy
 - Secure token storage
- **Database ORM:** Prisma 5+
 - Type-safe database queries
 - Automatic migrations
 - Schema-first development

Database

- **Primary DB:** PostgreSQL 15+
 - Why: ACID compliance, JSON support, reliable, scalable
 - Hosted on: Neon, Supabase, or Railway for easy setup

Database Schema (Prisma)

prisma

```

// User model
model User {
    id      String @id @default(cuid())
    email   String @unique
    name    String?
    emailVerified  DateTime?
    image   String?
    createdAt  DateTime @default(now())
    updatedAt  DateTime @updatedAt

    accounts  Account[]
    sessions   Session[]
    posts     Post[]
    schedules  Schedule[]

}

// OAuth Account (LinkedIn connection)
model Account {
    id      String @id @default(cuid())
    userId   String
    type    String
    provider  String // "linkedin"
    providerAccountId String // LinkedIn user ID
    refresh_token  String? @db.Text
    access_token   String? @db.Text
    expires_at    Int?
    token_type    String?
    scope       String?
    id_token    String? @db.Text
    session_state String?

    user User @relation(fields: [userId], references: [id], onDelete: Cascade)

    @@unique([provider, providerAccountId])
    @@index([userId])
}

// NextAuth session
model Session {
    id      String @id @default(cuid())
    sessionToken String @unique
    userId   String
    expires  DateTime
    user     User  @relation(fields: [userId], references: [id], onDelete: Cascade)

    @@index([userId])
}

```

```
}
```

```
// Post content and metadata
model Post {
    id      String @id @default(cuid())
    userId  String
    content String @db.Text
    status   PostStatus @default(DRAFT)
    scheduledFor DateTime?
    publishedAt DateTime?
    linkedinPostId String? // LinkedIn's post ID after publishing
    failureReason String? @db.Text
    retryCount Int @default(0)
    createdAt DateTime @default(now())
    updatedAt  DateTime @updatedAt

    user User @relation(fields: [userId], references: [id], onDelete: Cascade)
```

```
    @@index([userId, status])
    @@index([scheduledFor])
}
```

```
enum PostStatus {
    DRAFT
    SCHEDULED
    PUBLISHED
    FAILED
}
```

```
// User scheduling preferences
model Schedule {
    id      String @id @default(cuid())
    userId  String @unique
    preferredTime String // "09:00" in user's timezone
    timezone String // "America/New_York"
    frequency Frequency @default(DAILY)
    weekdaysOnly Boolean @default(true)
    createdAt DateTime @default(now())
    updatedAt  DateTime @updatedAt

    user User @relation(fields: [userId], references: [id], onDelete: Cascade)
}
```

```
enum Frequency {
    DAILY
    ALTERNATE_DAYS
    WEEKDAYS_ONLY
```

CUSTOM

}

Job Queue & Background Processing

- **Queue System:** BullMQ
 - Redis-backed job queue
 - Retry logic with exponential backoff
 - Job scheduling (cron-like)
 - Job progress tracking
- **Worker Processes:**
 - **Post Publisher Worker:** Runs every minute, checks for posts due to publish
 - **Token Refresh Worker:** Runs daily, checks for expiring OAuth tokens
 - **Notification Worker:** Sends email notifications

Redis

- **Use Cases:**
 - BullMQ job queue storage
 - Session storage (NextAuth)
 - Rate limiting (prevent API abuse)
 - Cache for LinkedIn API responses
- **Hosted on:** Upstash (serverless Redis) or Redis Cloud

LinkedIn API Integration

- **API Version:** LinkedIn REST API v2
- **Required APIs:**
 - **UGC Posts API:** Create posts as authenticated user
 - **OAuth 2.0:** User authentication and authorization
- **Endpoints Used:**
 - **POST /ugcPosts** - Create a new post
 - **GET /me** - Get authenticated user's profile
- **Rate Limits:**
 - 100 API calls per user per day
 - Must implement rate limiting in our app

- **Token Management:**

- Access tokens expire after 60 days
- Refresh tokens do not exist for LinkedIn (must re-authenticate)
- System must detect expired tokens and prompt re-authentication

Hosting & Deployment

- **Frontend + API:** Vercel

- Why: Zero-config Next.js deployment, edge functions, great DX
- Auto-deploy from Git (main branch)
- Preview deployments for PRs

- **Database:** Neon PostgreSQL or Supabase

- Serverless Postgres with generous free tier
- Built-in connection pooling

- **Redis:** Upstash

- Serverless Redis
- Pay-per-request pricing

- **Background Workers:**

- Option 1: Vercel Cron Jobs (for simple scheduled tasks)
- Option 2: Railway or Render (for persistent BullMQ workers)

Monitoring & Logging

- **Error Tracking:** Sentry

- Catches frontend and backend errors
- Tracks failed post publishes

- **Logging:**

- Structured JSON logs
- Log levels: error, warn, info, debug
- Store in cloud logging service (Vercel logs, Better Stack)

- **Uptime Monitoring:**

- UptimeRobot or Checkly
- Alerts if API goes down

Email Service

- **Provider:** Resend or SendGrid
 - Transactional emails for:
 - Magic link authentication
 - Post published notifications
 - Post failed notifications
 - Weekly summary emails
- **Email Templates:** React Email
 - Type-safe email templates
 - Renders to HTML

3.3 Detailed Implementation Plan

Phase 1: Foundation (Week 1-2)

Step 1: Project Setup

```
bash

# Create Next.js project
npx create-next-app@latest linkedin-scheduler --typescript --tailwind --app

# Install core dependencies
npm install prisma @prisma/client
npm install next-auth@beta
npm install @tanstack/react-query
npm install zod react-hook-form @hookform/resolvers
npm install date-fns
npm install bullmq ioredis

# Install UI dependencies
npm install @radix-ui/react-dialog @radix-ui/react-dropdown-menu
npm install lucide-react
npm install class-variance-authority clsx tailwind-merge

# Setup Prisma
npx prisma init
```

Step 2: Database Setup

- Create PostgreSQL database on Neon/Supabase
- Define Prisma schema (see schema above)
- Run migrations: `npx prisma migrate dev --name init`
- Generate Prisma Client: `npx prisma generate`

Step 3: Authentication Setup

- Configure NextAuth.js with:
 - Email provider (for MVP)
 - LinkedIn OAuth provider
- Create auth API routes: `/app/api/auth/[...nextauth]/route.ts`
- Create login page: `/app/login/page.tsx`
- Create protected route middleware
- Test full auth flow

Step 4: Basic UI Framework

- Create layout with navigation
- Create dashboard page (empty state)
- Create post creation page (basic form)
- Setup Tailwind theme with LinkedIn colors
- Create reusable button, input, dialog components

Phase 2: Core Features (Week 3-4)

Step 5: Post Creation

- Build post editor component:
 - Textarea with character count (3,000 limit)
 - Real-time validation
 - Draft auto-save to local state
- Create API route: `POST /api/posts`
 - Validates post content
 - Saves to database with status: DRAFT
- Create API route: `GET /api/posts`
 - Returns user's posts (paginated)

- Test creating and retrieving posts

Step 6: Post Scheduling

- Build date/time picker component
- Create API route: `PUT /api/posts/[id]/schedule`
 - Updates post with scheduledFor timestamp
 - Changes status to SCHEDULED
- Build calendar view component:
 - Shows posts by date
 - Color-coded by status
- Test scheduling posts for future dates

Step 7: LinkedIn API Integration

- Register app on LinkedIn Developer Portal
- Configure OAuth redirect URLs
- Add LinkedIn provider to NextAuth
- Create API route: `POST /api/linkedin/publish`
 - Accepts post ID
 - Retrieves user's LinkedIn access token from Account table
 - Calls LinkedIn UGC Posts API
 - Handles success/failure responses
- Test manual post publishing

Phase 3: Automation (Week 5-6)

Step 8: Background Job Queue Setup

- Setup Redis connection (Upstash)
- Create BullMQ queue configuration
- Create worker file: `/workers/post-publisher.ts`
- Deploy worker as separate process (Railway/Render)
- Test job creation and processing

Step 9: Automated Post Publishing

- Create scheduled job that runs every minute
- Job logic:

typescript

```
// Pseudo-code
async function publishScheduledPosts() {
  const now = new Date();
  const posts = await prisma.post.findMany({
    where: {
      status: 'SCHEDULED',
      scheduledFor: { lte: now }
    },
    include: { user: { include: { accounts: true } } }
  });

  for (const post of posts) {
    await queue.add('publish-post', { postId: post.id });
  }
}
```

- Worker processes job:

typescript

```

worker.process('publish-post', async (job) => {
  const { postId } = job.data;
  const post = await getPostWithUser(postId);

  try {
    const linkedinPostId = await publishToLinkedIn(
      post.content,
      post.user.linkedinAccessToken
    );

    await prisma.post.update({
      where: { id: postId },
      data: {
        status: 'PUBLISHED',
        publishedAt: new Date(),
        linkedinPostId
      }
    });
  }

  await sendSuccessNotification(post.user.email);
} catch (error) {
  await handlePublishError(post, error);
}
});

```

- Implement retry logic with exponential backoff
- Test end-to-end automated publishing

Step 10: Error Handling & Notifications

- Implement failed post detection
- Create email notification system:
 - Success: "Your post was published"
 - Failure: "Post failed - LinkedIn token expired"
- Display failures on dashboard with retry button
- Test error scenarios (expired token, rate limit, network error)

Phase 4: Polish & Launch (Week 7-8)

Step 11: Batch Creation Feature

- Create "Batch Create" page with multiple editors

- Create "Smart Schedule" algorithm:
 - Takes user's frequency preference
 - Distributes posts evenly across timeframe
 - Respects user's preferred time and timezone
- Test batch scheduling flow

Step 12: Dashboard Improvements

- Add stats: posts published this month, current streak
- Add quick actions: Create post, View calendar
- Add status indicators: Today's post, Next post
- Improve calendar with drag-to-reschedule
- Add post preview modal

Step 13: Token Expiration Handling

- Create daily job to check token expiration
- Send email 7 days before expiration: "Reconnect your LinkedIn"
- Show banner on dashboard when token expired
- Create "Reconnect LinkedIn" flow
- Test re-authentication process

Step 14: Landing Page & Onboarding

- Create landing page with:
 - Hero section explaining value prop
 - Feature highlights
 - Pricing (if applicable)
 - Call-to-action: "Start Scheduling"
- Create onboarding flow:
 - Welcome screen
 - LinkedIn connection
 - Set preferred time & frequency
 - Create first post tutorial
- Add empty states for new users

Step 15: Testing & Deployment

- Write integration tests for critical paths:
 - User signup → LinkedIn connect → Create post → Schedule → Publish
 - Test timezone handling thoroughly
 - Load test with multiple users and posts
 - Deploy to production (Vercel + Railway)
 - Setup monitoring and alerts
 - Soft launch to 10 beta users
-

3.4 Critical Technical Considerations

OAuth Token Management

LinkedIn access tokens expire after 60 days. This is the biggest technical challenge.

Solution:

- Store `expires_at` timestamp in Account table
- Create daily cron job that checks: `expires_at < now + 7 days`
- Send email notification: "Your LinkedIn connection expires in X days. Reconnect now."
- Show persistent banner on dashboard when token expired
- Create "Reconnect LinkedIn" button that triggers OAuth flow
- After reconnect, update `access_token` and `expires_at`
- Before every publish, check token validity, fail gracefully if expired

Timezone Handling

User schedules post for "9:00 AM" but they travel or move. Post publishes at wrong time.

Solution:

- Store user's timezone in Schedule table
- Always store timestamps in UTC in database
- Convert to user's timezone for display
- When scheduling: `userLocalTime → UTC → database`
- When displaying: `database UTC → user's timezone → display`

- Use date-fns-tz library: `formatInTimeZone()`, `zonedDateTimeToUtc()`
- Allow user to change timezone in settings

Rate Limiting

LinkedIn API limits: 100 calls per user per day.

Solution:

- Track API calls per user per day in Redis
- Before making LinkedIn API call, check Redis counter
- If at limit, fail gracefully with clear message
- Reset counter at midnight UTC
- Show rate limit usage on dashboard: "72/100 API calls used today"

Failed Post Handling

Network issues, API downtime, rate limits cause failures.

Solution:

- Implement retry with exponential backoff:
 - Retry 1: After 1 minute
 - Retry 2: After 5 minutes
 - Retry 3: After 15 minutes
- After 3 failures, mark as FAILED
- Store failure reason in database
- Send email notification immediately
- Show "Failed Posts" section on dashboard with "Retry" button
- Manual retry resets retry count

Duplicate Post Prevention

Job runs twice, publishes same post twice.

Solution:

- Use BullMQ's job ID based on post ID (idempotent)
- Check post status before publishing:

```

if (post.status === 'PUBLISHED') {
  console.log('Post already published, skipping');
  return;
}

```

- Use database transaction when updating status
- LinkedIn API is idempotent (same content posted twice creates two separate posts, but our status check prevents this)

Scalability Considerations

What happens at 10,000 users with 100,000 scheduled posts?

Solution:

- **Database:** Postgres scales to millions of rows easily
 - Add indexes on: `userId`, `status`, `scheduledFor`
 - Use pagination for all list queries
- **Job Queue:** BullMQ handles thousands of jobs per second
 - Separate queues for different priorities
 - Scale workers horizontally (run multiple worker instances)
- **LinkedIn API:** Rate limit per user, not per app
 - Each user has 100 calls/day, so 10k users = 1M calls/day capacity
- **Redis:** Upstash scales automatically
- **Next.js:** Vercel scales to millions of requests

3.5 API Endpoints Reference

Authentication

- `POST /api/auth/signin` - Email or LinkedIn login
- `POST /api/auth/signout` - Logout
- `GET /api/auth/session` - Get current session
- `GET /api/auth/callback/linkedin` - OAuth callback

Posts

- `GET /api/posts` - List user's posts (paginated, filterable by status)
- `POST /api/posts` - Create new post (draft)
- `GET /api/posts/[id]` - Get single post
- `PUT /api/posts/[id]` - Update post content
- `DELETE /api/posts/[id]` - Delete post
- `PUT /api/posts/[id]/schedule` - Schedule post for future time
- `POST /api/posts/[id]/publish-now` - Publish immediately
- `POST /api/posts/[id]/retry` - Retry failed post

Scheduling

- `GET /api/schedule` - Get user's schedule preferences
- `PUT /api/schedule` - Update schedule preferences
- `POST /api/schedule/batch` - Batch schedule multiple posts

LinkedIn

- `POST /api/linkedin/publish` - Internal endpoint to publish post
- `GET /api/linkedin/profile` - Get user's LinkedIn profile info
- `POST /api/linkedin/reconnect` - Refresh LinkedIn connection

Calendar

- `GET /api/calendar?month=2025-01` - Get all posts for calendar view

3.6 Environment Variables

```
env
```

```

# Database
DATABASE_URL="postgresql://user:password@host:5432/dbname"

# NextAuth
NEXTAUTH_URL="https://yourdomain.com"
NEXTAUTH_SECRET="generate-with-openssl-rand-base64-32"

# LinkedIn OAuth
LINKEDIN_CLIENT_ID="your-linkedin-app-id"
LINKEDIN_CLIENT_SECRET="your-linkedin-app-secret"

# Redis
REDIS_URL="redis://default:password@host:6379"

# Email (Resend)
RESEND_API_KEY="rexxxxxxxxxxxxx"
EMAIL_FROM="noreply@yourdomain.com"

# Sentry (optional)
SENTRY_DSN="https://xxx@sentry.io/xxx"

# Feature Flags
ENABLE_AI_FEATURES="false"

```

3.7 File Structure

```

linkedin-scheduler/
  └── app/
    ├── (auth)/
    │   ├── login/
    │   │   └── page.tsx
    │   └── signup/
    │       └── page.tsx
    ├── (dashboard)/
    │   └── layout.tsx
    └── posts/
        ├── page.tsx      # Main dashboard
        └── new/
            └── page.tsx  # Create post
            └── [id]/
                └── page.tsx # Edit post
        └── batch/
            └── page.tsx  # Batch create

```

```
|- calendar/
|   |- page.tsx      # Calendar view
|- settings/
|   |- page.tsx      # User settings
|- api/
|   |- auth/
|   |   |- [...nextauth]/
|   |   |- route.ts
|- posts/
|   |- route.ts      # GET, POST
|   |- [id]/
|       |- route.ts  # GET, PUT, DELETE
|       |- schedule/
|           |- route.ts
|           |- publish-now/
|               |- route.ts
|       |- schedule/
|           |- route.ts
|           |- batch/
|               |- route.ts
|- linkedin/
|   |- publish/
|   |   |- route.ts
|   |- profile/
|   |   |- route.ts
|   |- calendar/
|       |- route.ts
|- layout.tsx
|- page.tsx      # Landing page
|- components/
|   |- ui/          # shadcn components
|   |   |- button.tsx
|   |   |- dialog.tsx
|   |   |- calendar.tsx
|   |   ...
|   |- post-editor.tsx
|   |- post-card.tsx
|   |- calendar-view.tsx
|   |- schedule-picker.tsx
|   |- navbar.tsx
|- lib/
|   |- prisma.ts    # Prisma client singleton
|   |- auth.ts      # NextAuth config
|   |- linkedin.ts  # LinkedIn API wrapper
|   |- queue.ts     # BullMQ setup
|   |- redis.ts     # Redis client
|   |- email.ts     # Email sending
```

```
|- utils.ts           # Helper functions
|- workers/
|   |- post-publisher.ts    # Background job worker
|   |- token-checker.ts     # Token expiry checker
|- prisma/
|   |- schema.prisma
|   |- migrations/
|- public/
|- .env.local
|- next.config.js
|- tailwind.config.js
|- tsconfig.json
└ package.json
```

4. Success Metrics

User Engagement:

- Users posting 3+ times per week for 30+ days: Target 60%
- Average posts scheduled per user per session: Target 5+
- User retention after 30 days: Target 70%

Technical Performance:

- Post publish success rate: Target 98%+
- Average time to publish after scheduled time: < 60 seconds
- API error rate: < 1%
- Page load time: < 2 seconds

Business Metrics:

- User signup to first scheduled post: Target < 10 minutes
 - Time saved per user per week: Target 2+ hours (vs manual posting)
 - User satisfaction (NPS): Target 50+
-

5. Future