

vibelegal

Luke @VisionForge4D

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VibeLegal - AI-Powered Contract Drafting for Lawyers

VibeLegal is a minimal viable product (MVP) that demonstrates an AI-powered contract drafting web application specifically designed for legal professionals. The application combines modern web technologies with OpenAI's GPT models to generate professional, legally compliant contracts quickly and efficiently.

Features

Core Functionality

- **AI-Powered Contract Generation:** Generate professional contracts using OpenAI's GPT models
- **Multiple Contract Types:** Support for Employment Agreements, NDAs, Service Contracts, Independent Contractor Agreements, and Purchase Agreements
- **User Authentication:** Secure registration and login system with JWT tokens
- **Contract Management:** Save, edit, and manage generated contracts
- **Responsive Design:** Works seamlessly on desktop and mobile devices
- **Professional UI:** Clean, modern interface designed specifically for lawyers

Technical Features

- **RESTful API:** Well-structured backend API with proper error handling

- **Rate Limiting:** Prevents abuse and ensures fair usage
- **Legal Disclaimers:** All contracts include proper legal disclaimers
- **Subscription Management:** Basic and Premium tier support
- **PDF Export:** Download contracts as HTML files (easily convertible to PDF)

Architecture

Frontend (React + Tailwind CSS)

- **Framework:** React 18 with modern hooks
- **Styling:** Tailwind CSS with shadcn/ui components
- **Routing:** React Router for navigation
- **State Management:** React Context for authentication
- **Icons:** Lucide React icons
- **Build Tool:** Vite for fast development and building

Backend (Node.js + Express)

- **Runtime:** Node.js with Express.js framework
- **Database:** PostgreSQL with native pg driver
- **Authentication:** JWT tokens with bcryptjs for password hashing
- **AI Integration:** OpenAI API for contract generation
- **Security:** CORS enabled, rate limiting, input validation

Database Schema

- **Users Table:** User accounts with subscription tiers and usage tracking
- **Contracts Table:** Generated contracts with metadata and content

Quick Deployment Options

Option 1: Traditional VPS/Server Deployment

Best for: Full control, custom configurations, cost-effective for high traffic

Option 2: Cloud Platform Deployment

Best for: Scalability, managed services, quick setup

Option 3: Container Deployment

Best for: Consistency across environments, easy scaling, DevOps workflows

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Start building here.