

# vibelegal

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## VibeLegal - AI-Powered Contract Drafting for Lawyers

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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

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#### 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

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### 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

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### 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

# **vibelegal**

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Start building here.