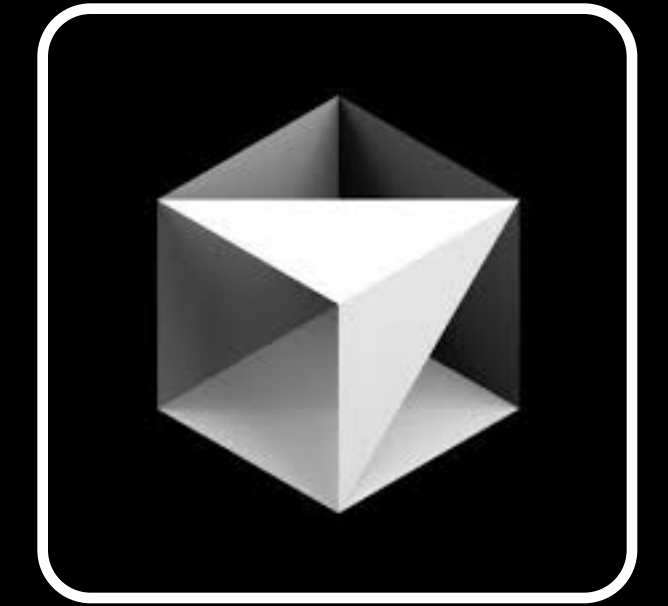


# Cursor AI For Advanced Users L-3

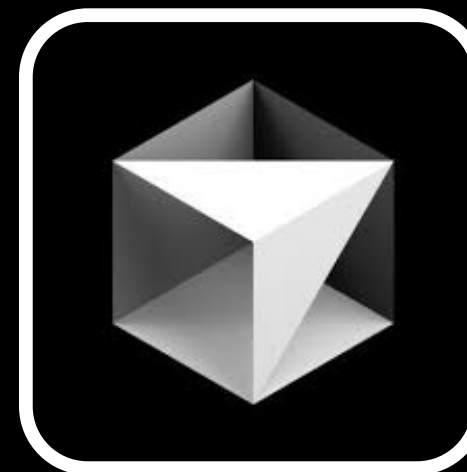
BlogForge - AI Powered  
Blogging Platform



# Overview

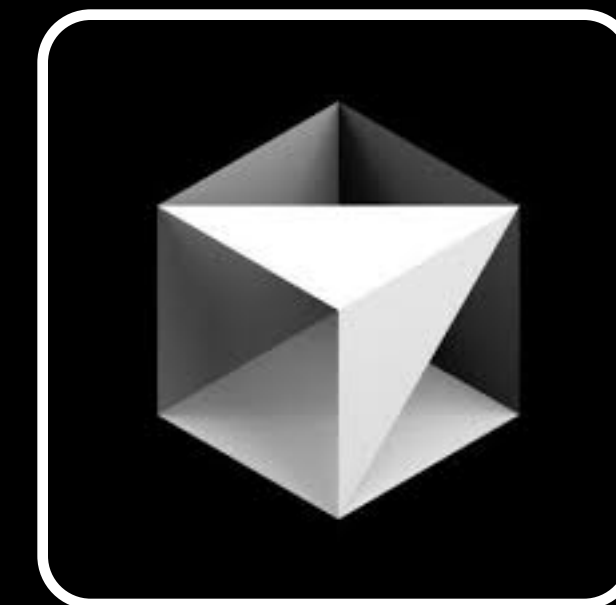


- Build a real-world, AI-powered blogging platform: **BlogForge**
- **Stack:** Flask + TailwindCSS + Google OAuth (Authlib)
- Learn to use **Cursor AI** for multi-file generation and debugging
- Add real AI inside your app - repurpose blogs into LinkedIn posts & tweets



LinkedIn + Twitter





# Technical Architecture

- **Backend:** Flask manages routes, sessions, OAuth, AI Endpoints
- **Frontend:** Jinja2 templates styled using Tailwind utilities
- **Database:** SQLite + SQLAlchemy ORM
- **AI Layer:** LLM APIs (Gemini) for content generation

Browser

Flask

OAuth

AI APIs

DB



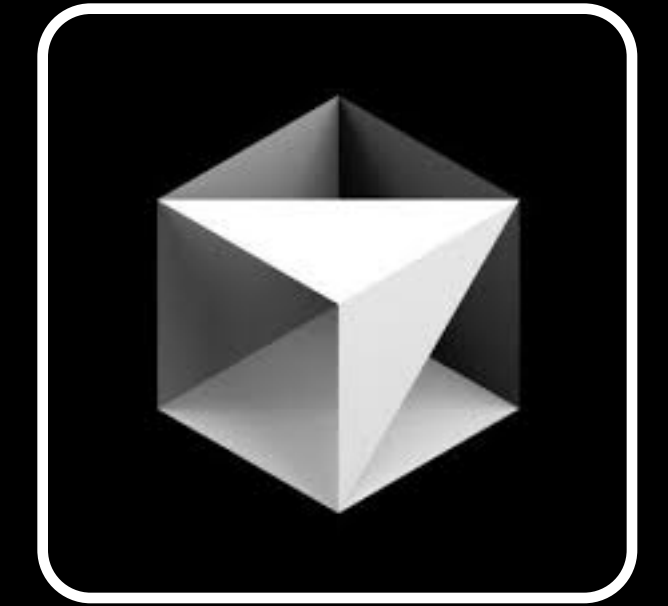


# Core Features

- Secure login with Google
- Markdown-based editor with preview
- CRUD for blogs, drafts and tags
- AI-Powered tools:
  - Generate LinkedIn Post (Professional, Friendly) (**/repurpose/linkedin**)
  - Generate Tweet Thread (**/repurpose/twitter**)
  - Generate Title, Summary & Tags
- Database (Users, Posts, SocialPosts, Tags (only for Posts))



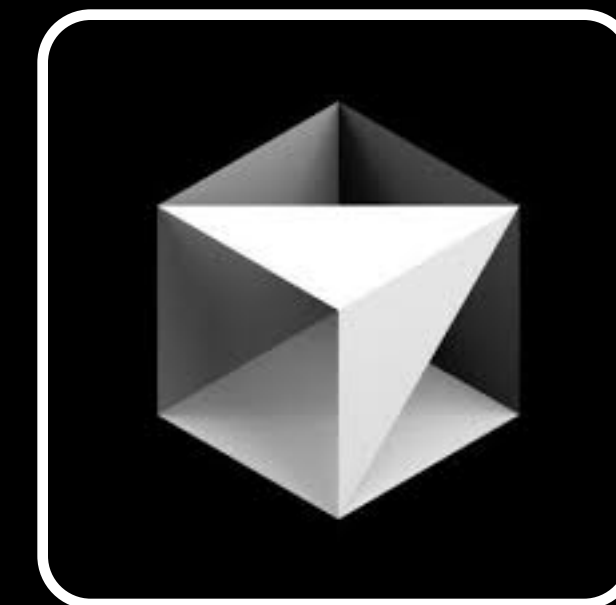
# Testing & CI/CD



- Test Google OAuth login & session persistence
- Mock API calls with sample responses
- Prepare CI/CD pipeline using GitHub actions



# Extra Features



- Security and Privacy
- Future AI enhancements

