# Project Scope Statement – CyberpunkMonkChatbot

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Standards Referenced: PMI – Project Management Institute

Version: 1.0 – Approved

## 1. Purpose / Objectives

The CyberpunkMonkChatbot project will deliver an AI-powered career ambassador that promotes Andrew John Holland’s professional expertise as a Senior Manager in Flight Operations Training and as a capable IT Project Manager in a PMO environment. The chatbot will integrate seamlessly with andrewholland.com and a branded subdomain (monk.andrewholland.com), using the 'Cyberpunk Monk' persona to engage recruiters and direct them to Andrew’s portfolio, career timeline, executive summary, and GitHub projects.

## 2. Scope

In Scope:  
- Consolidation to one backend (FastAPI, /api/chat).  
- Standardization of environment variables (GOOGLE\_API\_KEY).  
- Unified database schema (PostgreSQL primary, SQLite fallback) including timestamp.  
- Frontend served as index.html with JS integrated to backend.  
- CORS configuration for LAN and production domains.  
- Monitoring script aligned to unified schema.  
- Logging and basic health checks.  
- Deployment documentation (LAN and Hostinger).  
  
Out of Scope:  
- Major UI redesign, voice features, or multi-model routing.  
- Advanced analytics or CRM integrations (future phase).

## 3. Deliverables

1. FastAPI backend (/api/chat) with CORS and logging.  
2. Frontend index.html and script.js connected to backend.  
3. Unified database setup and migration notes.  
4. Monitoring script aligned with schema.  
5. Test scripts and acceptance checklist.  
6. Deployment guides for LAN and Hostinger.  
7. Repo cleanup (archive Flask legacy).

## 4. Assumptions

- Gemini API key is valid and functional.  
- Internet egress available from hosting to reach Google Gemini API.  
- Branded subdomain (monk.andrewholland.com) will host chatbot UI.  
- Recruiters will visit andrewholland.com and can be redirected to Monk.

## 5. Constraints

- Security: server-side API key only; lock CORS in production.  
- Time: incremental rollout (LAN first, Hostinger second).  
- Branding: maintain CP Monk persona.

## 6. Acceptance Criteria

- Frontend and backend communicate successfully on LAN and Hostinger.  
- All endpoints return valid JSON { 'response': ... }.  
- Monitoring populates database; backend retrieves latest by timestamp.  
- Logs capture execution and errors.  
- Recruiter flow to key portfolio links in under 3 chatbot interactions.

## 7. High-Level Milestones

Architecture freeze – TBD  
LAN deployment functional – TBD  
Hostinger deployment functional – TBD  
Branding integration complete – TBD