# Work Breakdown Structure (WBS) – CyberpunkMonkChatbot

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Standards Referenced: PMI – Project Management Institute

Version: 1.0 – Approved

## 1.0 Initiation

1. 1.1 Approve Project Charter
2. 1.2 Identify stakeholders and recruitment target audience
3. 1.3 Confirm hosting environment (Hostinger) and domain/subdomain strategy

## 2.0 Planning

1. 2.1 Finalize Project Scope Statement
2. 2.2 Define database schema and migration plan
3. 2.3 Define CORS policy for LAN and production
4. 2.4 Plan integration into andrewholland.com header and monk.andrewholland.com

## 3.0 Execution

1. 3.1 Consolidate to FastAPI backend (/api/chat)
2. 3.2 Standardize environment variables (GOOGLE\_API\_KEY)
3. 3.3 Update frontend (index.html, script.js) to point to FastAPI
4. 3.4 Align monitoring.py to unified schema with timestamp
5. 3.5 Implement logging and health checks
6. 3.6 Test backend with LAN and curl
7. 3.7 Deploy LAN version
8. 3.8 Deploy production version on Hostinger

## 4.0 Monitoring & Controlling

1. 4.1 Validate chatbot response times and recruiter flow
2. 4.2 Monitor API usage and Gemini quota
3. 4.3 Check database caching and retrieval
4. 4.4 Review logs for errors and warnings
5. 4.5 Verify CORS compliance and security settings

## 5.0 Closing

1. 5.1 Archive legacy Flask backend
2. 5.2 Finalize deployment documentation
3. 5.3 Deliver final recruiter experience review
4. 5.4 Project closure and sign-off