

Enterprise Agentic RAG Roadmap

1. The High-Level Strategy (The 'Raj' Pivot)

Objective: Transition from a generic AI developer to an Enterprise Consultant making \$60k-\$100k+.

- Target 'Boring' Industries: Pharma, Banking, Law, Insurance.
- The Core Problem: 'SharePoint Hell' - decades of messy, unsearchable documents.
- The Solution: Agentic RAG that cross-references, reasons, and self-corrects.
- Key Selling Point: Privacy. Run everything locally (Ollama/vLLM) so data never leaves the client's infra.

Checklist 1: The Technical Foundation

- [] Master Python (Pydantic for structured data, Asyncio for concurrency).
- [] Learn Data Parsing (Docling by IBM, Unstructured.io).
- [] Set up Vector Databases (Qdrant or Pinecone).
- [] Implement Local Inference (Ollama/vLLM running Qwen 2.5 or Llama 3.1).
- [] Build a basic RAG pipeline using LlamaIndex (better for data than LangChain).

Checklist 2: Enterprise Specialization (The Secret Sauce)

- [] Build a Document Quality Scorer (Identify scans vs. digital PDFs).
- [] Implement Hierarchical Chunking (Parent-Child document relationships).
- [] Master the Table Pipeline (Convert PDF tables to clean Markdown).
- [] Develop Domain Taxonomies (Custom Acronym Dictionaries for the niche).
- [] Set up Hybrid Search (Semantic/AI search + Keyword/Exact search).

Checklist 3: Agentic Logic (The reasoning engine)

- [] Tool Use: Give the LLM access to a Search Tool, SQL Tool, and Calculator.
- [] Query Decomposition: Break one complex question into 3 logical steps.
- [] Agentic Loops: Build 'Plan-and-Execute' logic (LangGraph or LlamaIndex Workflows).
- [] Self-Reflection: The Agent must check its answer against the source text before responding.
- [] Evaluation: Use the RAGAS framework to score accuracy and 'faithfulness'.

Checklist 4: Business & Sales Strategy

- [] Build a Vertical Demo: 50 messy documents in one niche (e.g., M&A Law).
- [] Sell ROI: Show the client how much money they waste on manual doc searching.
- [] The Pricing Ladder: Start with a \$5k-\$10k Pilot, then a \$50k+ full rollout.
- [] LinkedIn Outreach: Focus on 'Operations Managers' or 'Directors of Compliance'.
- [] Referrals: Ask every satisfied client for 2 introductions.

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2. 90-Day Execution Plan

Weeks 1-4: Master technical basics. Practice table extraction until it's perfect.

Weeks 5-8: Build your Agentic RAG demo. Ensure it 'reasons' and 'cross-references'.

Weeks 9-12: Outreach. Send 10 targeted LinkedIn messages a day. Offer a 2-week Pilot.