

# BUILDER-FRAMEWORK.AI

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R-C Tech Nova

# PROBLEM STATEMENT

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Our reusable microservice components (e.g., audit, workflow, reference data) are available only as inner-source modules in internal GitHub repositories. There is no seamless way to reference, combine, and generate multiple components as production-ready, containerized executables. This results in duplicated development effort, inconsistent implementations, and delays in delivering business solutions. Teams need a more efficient approach to leverage and assemble these assets for rapid, reliable deployment.

# PROPOSED SOLUTION

We propose a Builder Framework powered by Agentic Retrieval-Augmented Generation (RAG) using an LLM, capable of generating custom microservices (audit, attachment, workflow, reference data, etc.) based on user input and context retrieved from internal GitHub repositories/Custom Prompts.



## KEY FEATURES

- Prompt-driven generation
- Hybrid Retrieval (prompts + templates)
- Generates: Entities, Controllers, Services, Repos

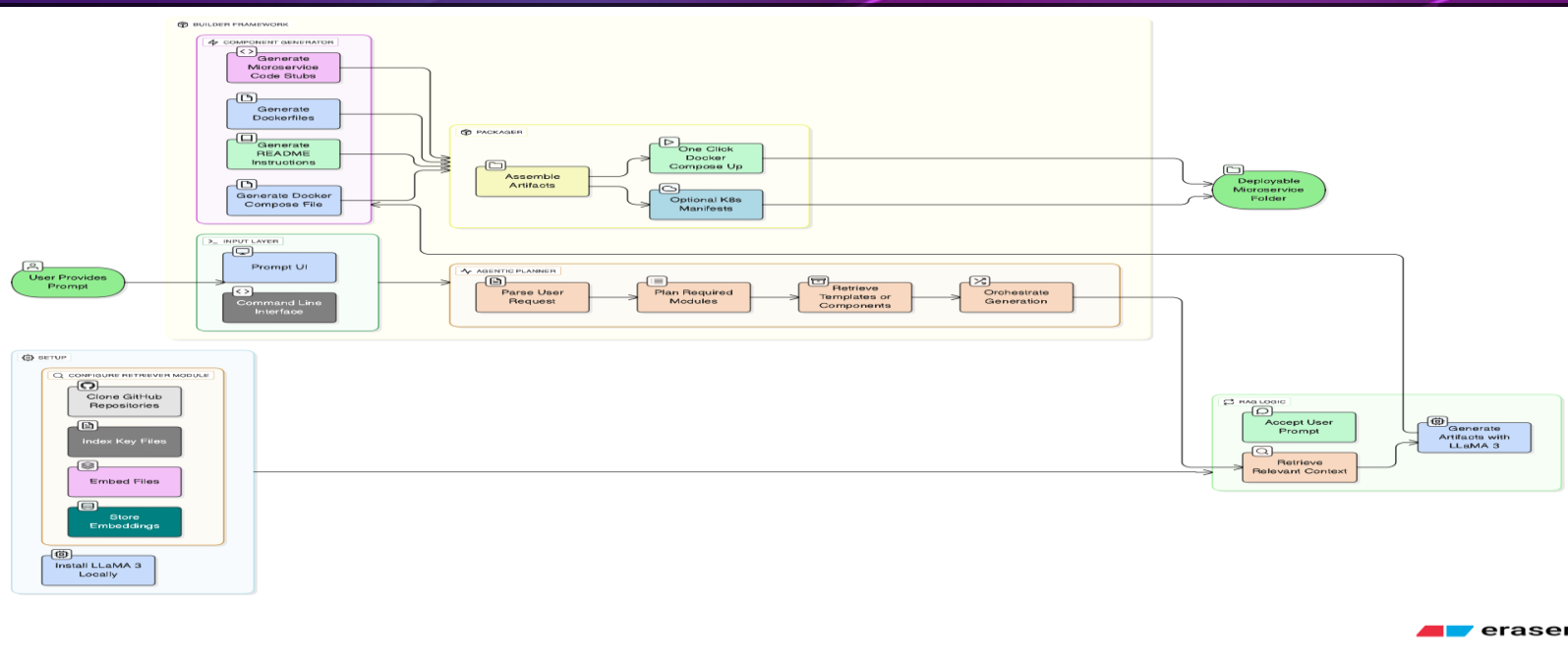
# TECH STACK

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- Spring Boot 3
- LangChain4j
- LLaMA3
- In-memory FAISS
- Docker +  
Swagger/OpenAPI



# FLOW CHART





## DEMO FLOW

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- Step 1: User prompt → “*Create audit microservice*”
- Step 2: Router picks AuditRAG
- Step 3: Retriever fetches AuditPrompt + AuditTemplate
- Step 4: LLaMA generates Spring Boot code
- Step 5: Packager outputs runnable service with Docker

# THANKS!



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