| **S. No** | **Title of the Paper** | **Author(s)** | **Inference** |
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| 1 | **White-box LLM-supported Low-code Engineering: A Vision and First Insights** | Y. Cai, Z. Xing, et al. (ACM/IEEE MODELS Companion, 2024) | Explores how LLMs can be integrated into low-code platforms for model-driven engineering. **Advantage:** Provides first architectural insights into combining low-code and LLM. **Limitation:** Still conceptual, lacks large-scale empirical validation. |
| 2 | **Application of Large Language Models to Software Engineering Tasks: Opportunities, Risks, and Implications** | Multiple authors (IEEE Software, 2023) | Surveys how LLMs can automate coding, testing, and documentation. **Advantage:** Highlights productivity and low-code-like automation. **Limitation:** Raises concerns on trust, explainability, and legal compliance. |
| 3 | **The Next Frontier in Software Development: AI-Augmented Software Development Processes** | IEEE Software Editorial Board (2023) | Argues LLMs can accelerate no-code/low-code development by automating repetitive tasks. **Advantage:** Establishes LLMs as co-developers. **Limitation:** Discusses opportunities broadly, without specific RAG or conversational AI focus. |
| 4 | **RAGVA: Engineering Retrieval-Augmented Generation–based Virtual Assistants in Practice** | R. Yang et al. (arXiv / IEEE-indexed workshops, 2025) | Provides engineering practices for implementing RAG-based conversational assistants. **Advantage:** Practical blueprint for RAG integration. **Limitation:** More experimental, not yet widely deployed in enterprise low-code platforms. |
| 5 | **Generating a Low-Code Workflow via Task Decomposition and RAG** | O. Marquez Ayala & P. Béchard (2024) | Introduces Task Decomposition + RAG as design patterns for enterprise workflows. **Advantage:** Connects low-code principles with RAG-based automation. **Limitation:** Conceptual framework; lacks industrial case studies. |
| 6 | **Beyond Text: Implementing Multimodal LLM-Powered Multi-Agent Systems Using a No-Code Platform** | C. Jeong (2025) | Explores a no-code platform for building multi-agent conversational systems with RAG. **Advantage:** Demonstrates multimodal conversational AI in low-code setting. **Limitation:** Early-stage work; scalability in enterprise settings untested. |