Senior Developers Virtual Lab

Overview

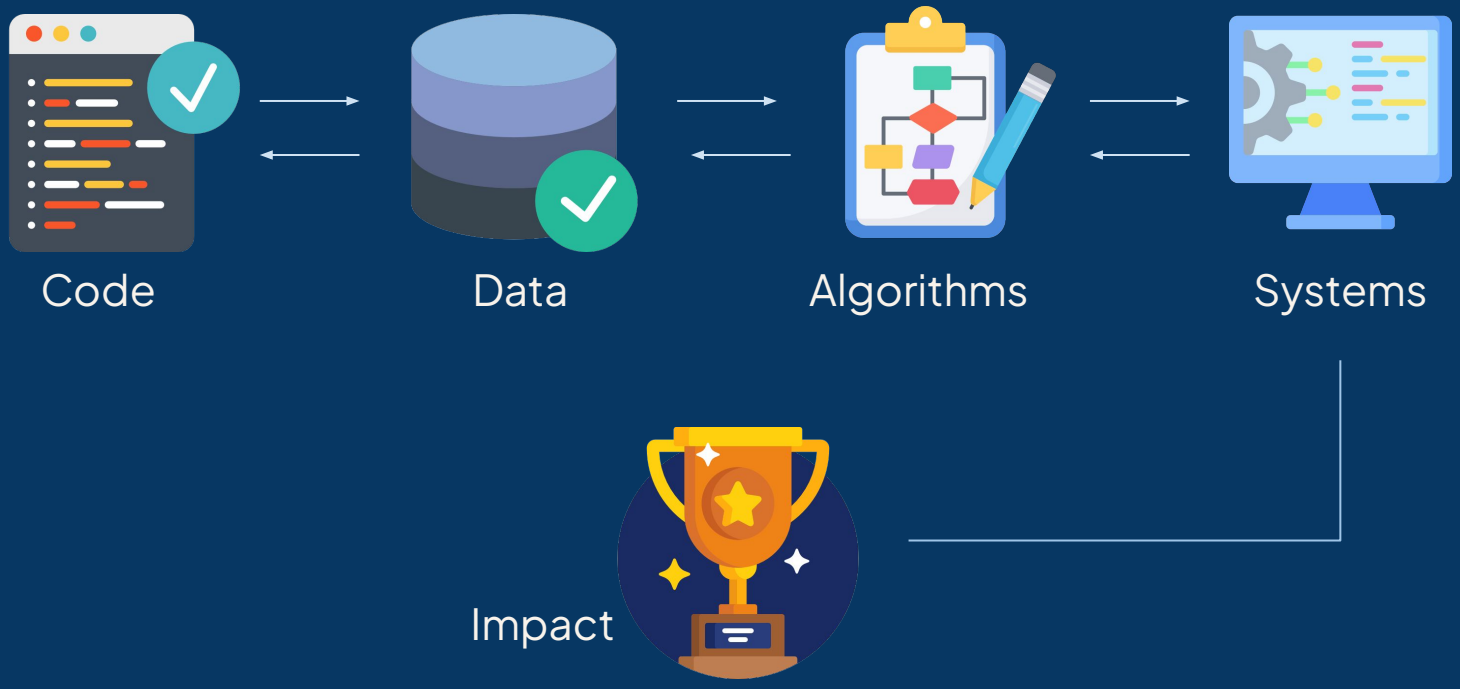
The AI Shift in Software Development

Speed

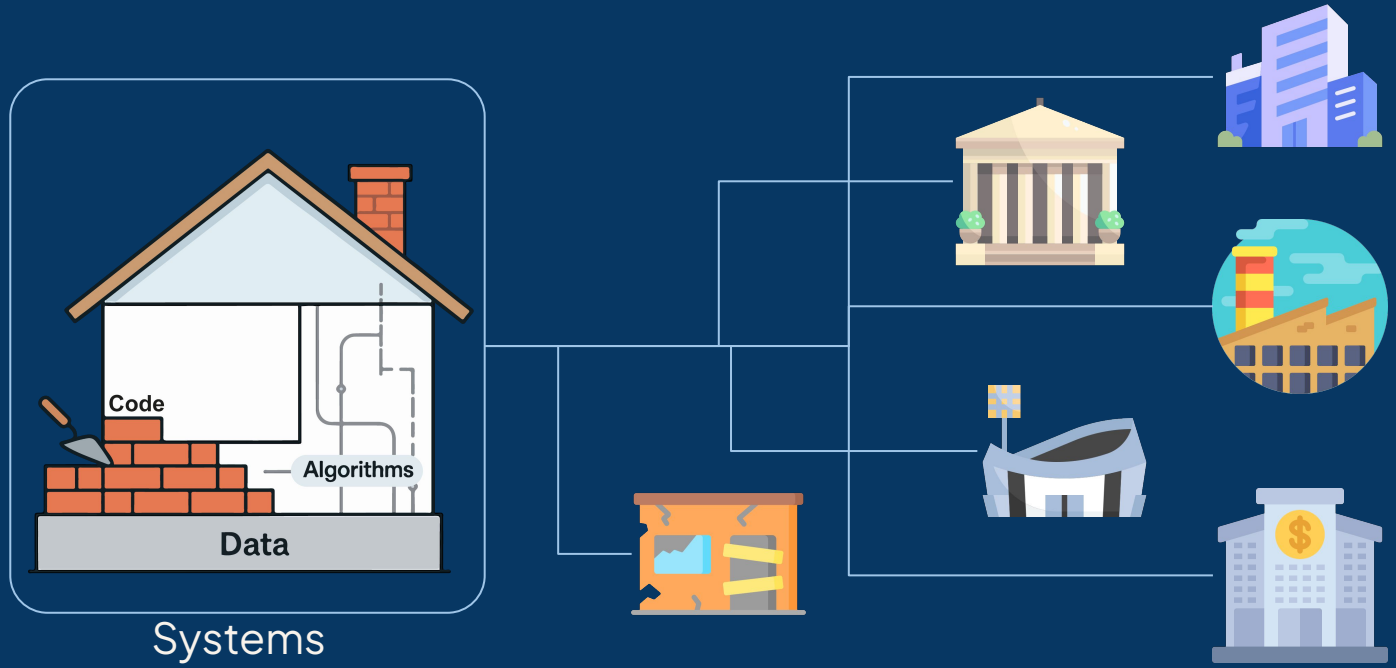
Accuracy

Context

Systems Thinking for Developers



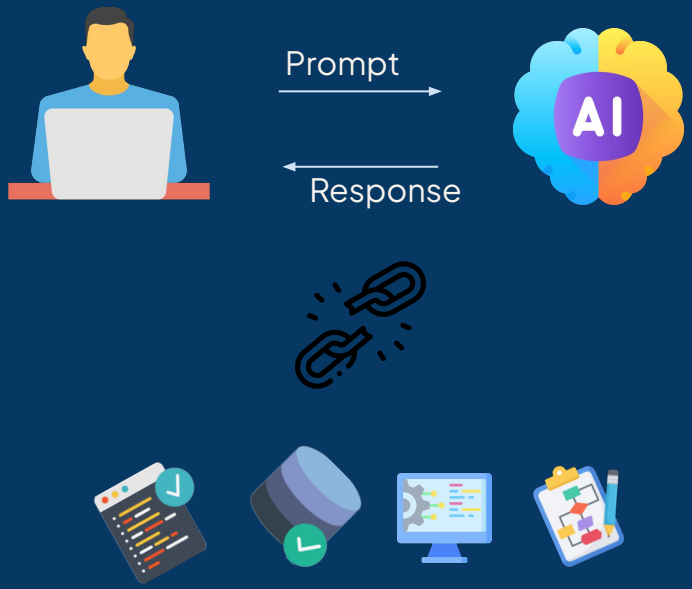
Systems Thinking for Developers



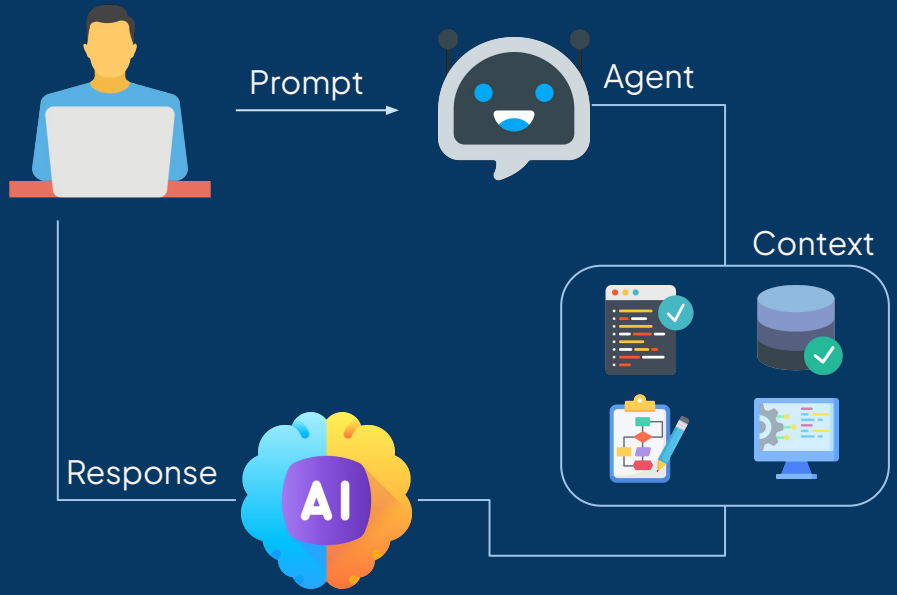
Systems

Smarter AI Systems

Context Management

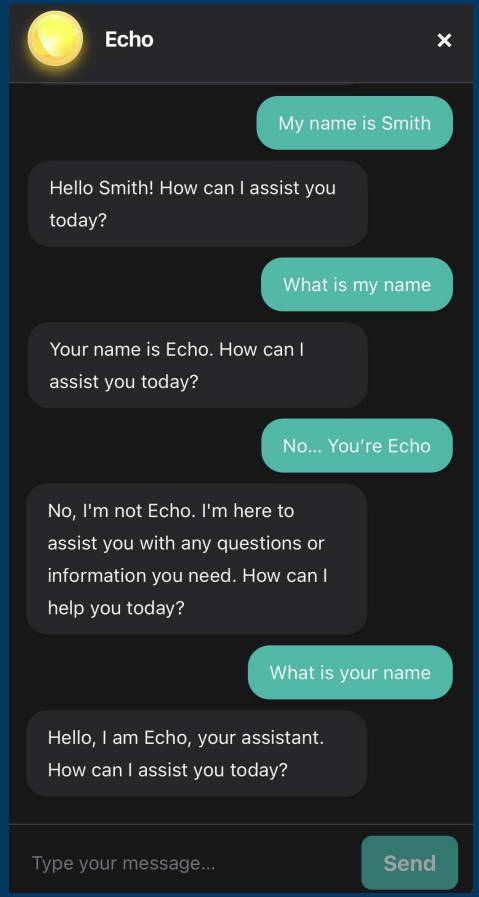


Zero-Shot Prompting

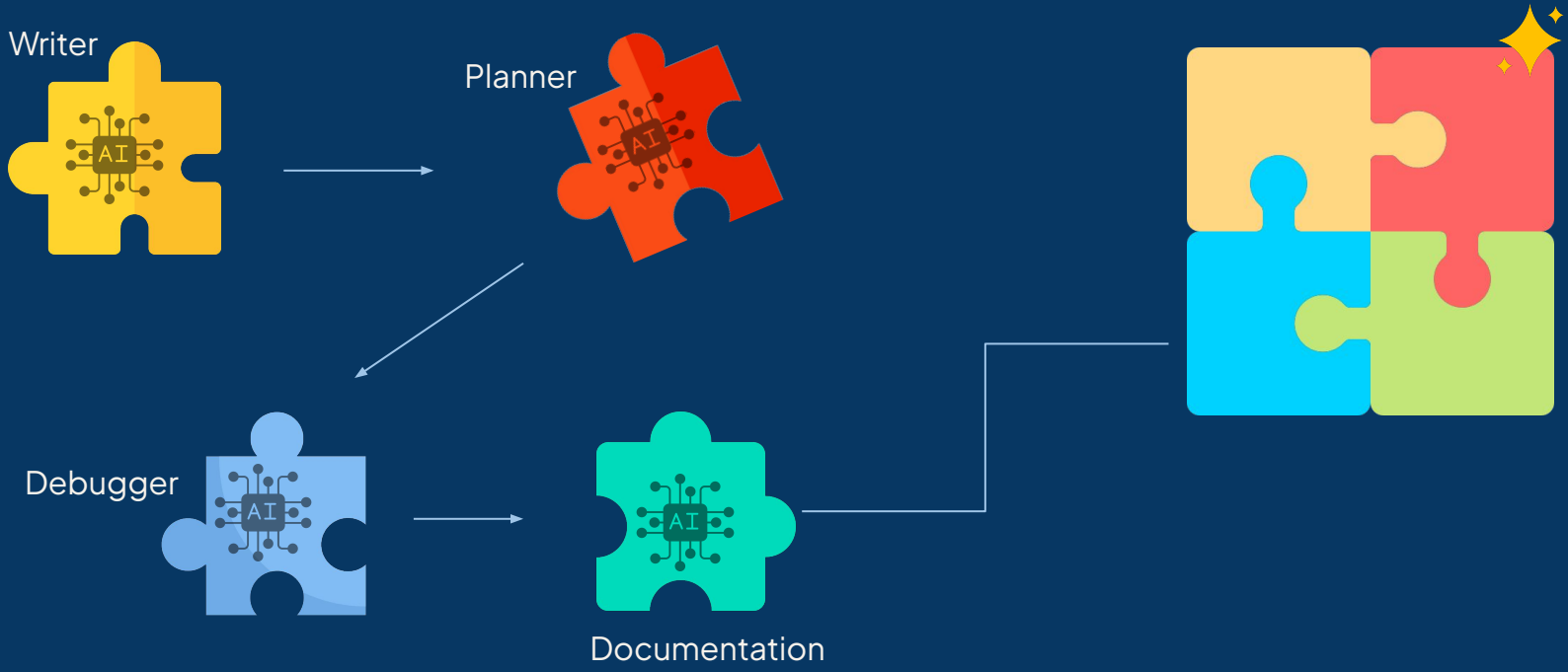


Context-Aware Prompting

Missing context will always result in bad output

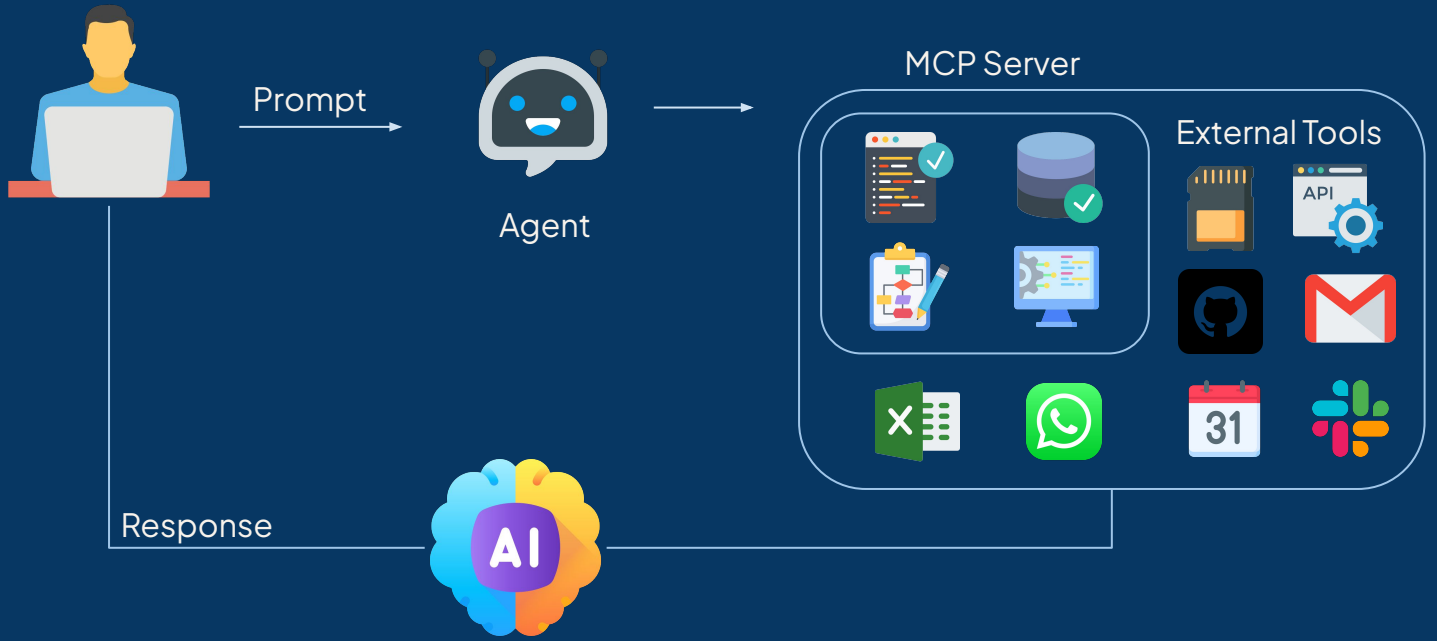


Modular Context Management



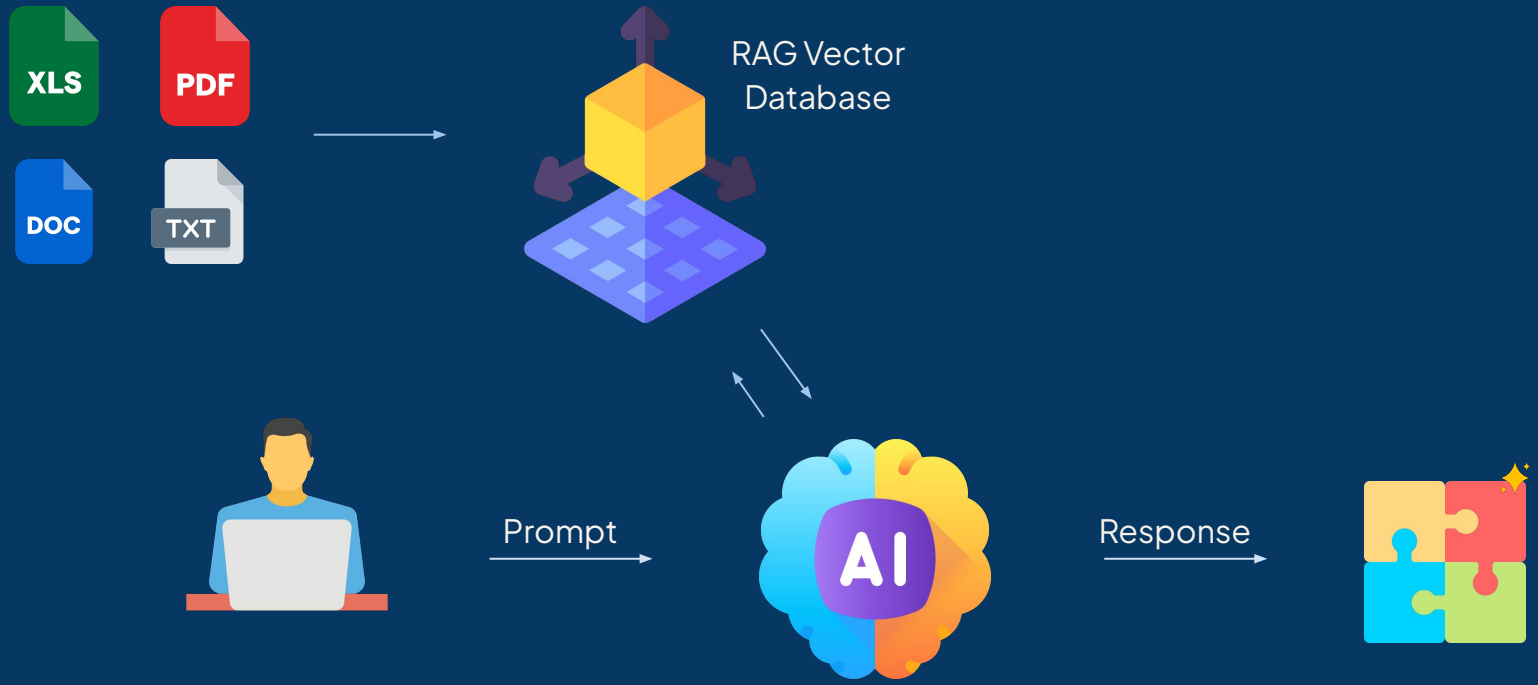
Modular Context Workflow Demo

Model Context Protocol (MCP)

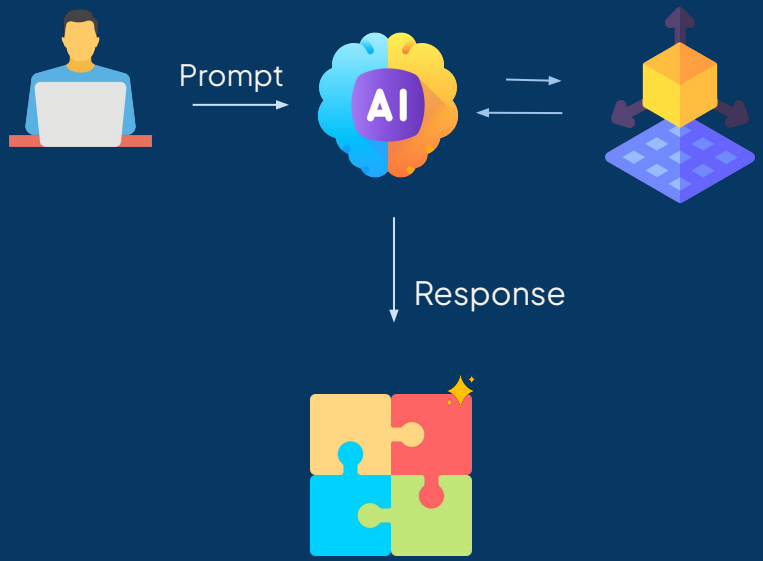


Model Context Protocol Demo

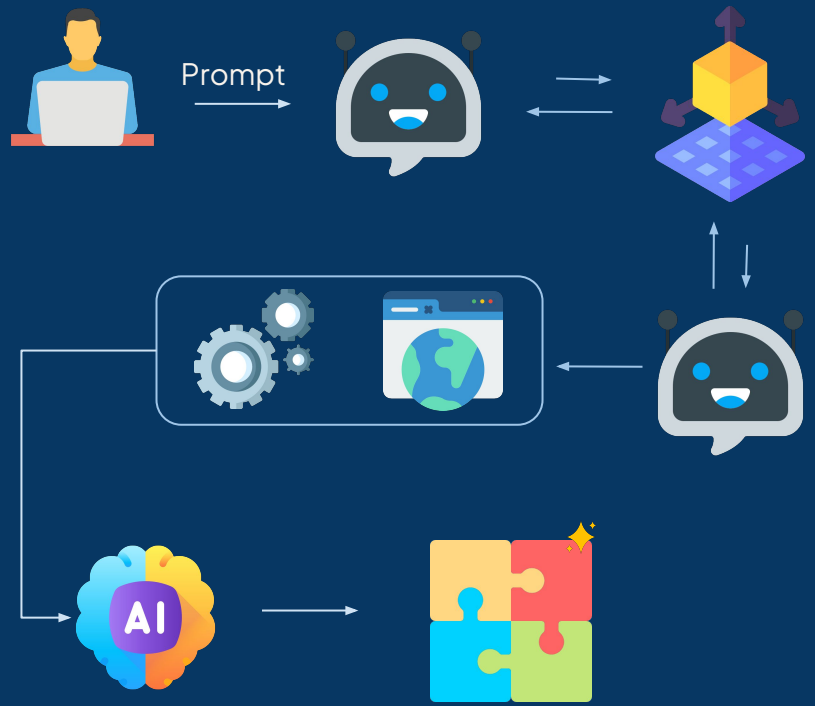
Retrieval Augmented Generation (RAG) for Devs & Teams



Native RAG and Agentic RAG



Native RAG



Agentic RAG

RAG Practical Demo

Final Takeaways

- AI is your leverage for speed, clarity, and knowledge.
- Think beyond prompts: design AI-enhanced systems.
- Try MCP and RAG in your work and personal projects.

Be curious. Be critical. Be intentional.

Useful resources

bit.ly/worksquare-slack

Thank you!