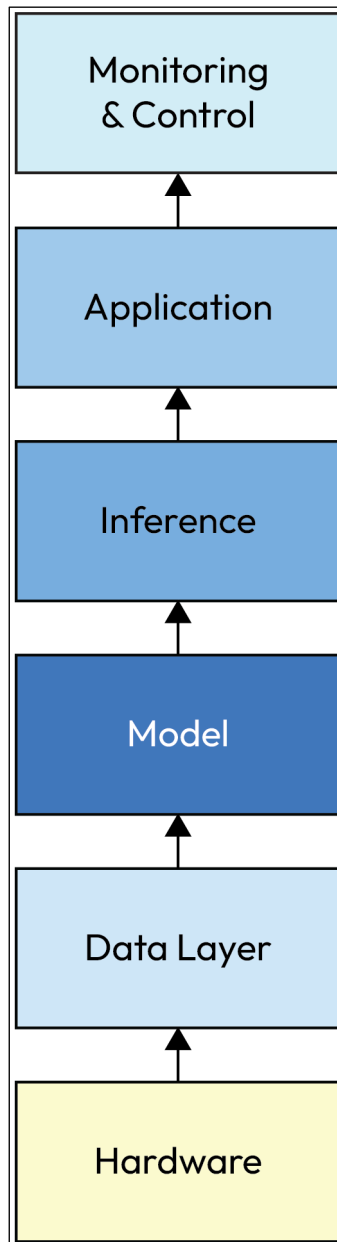
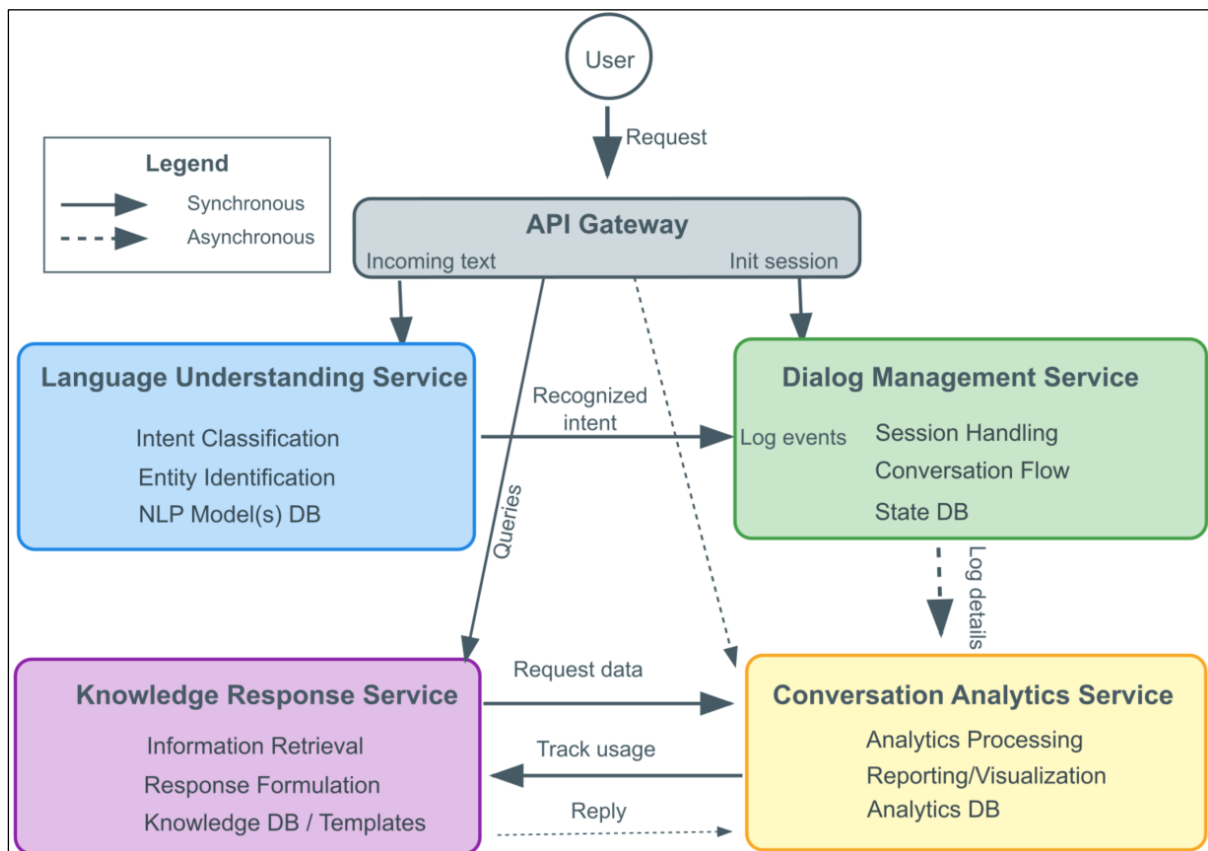
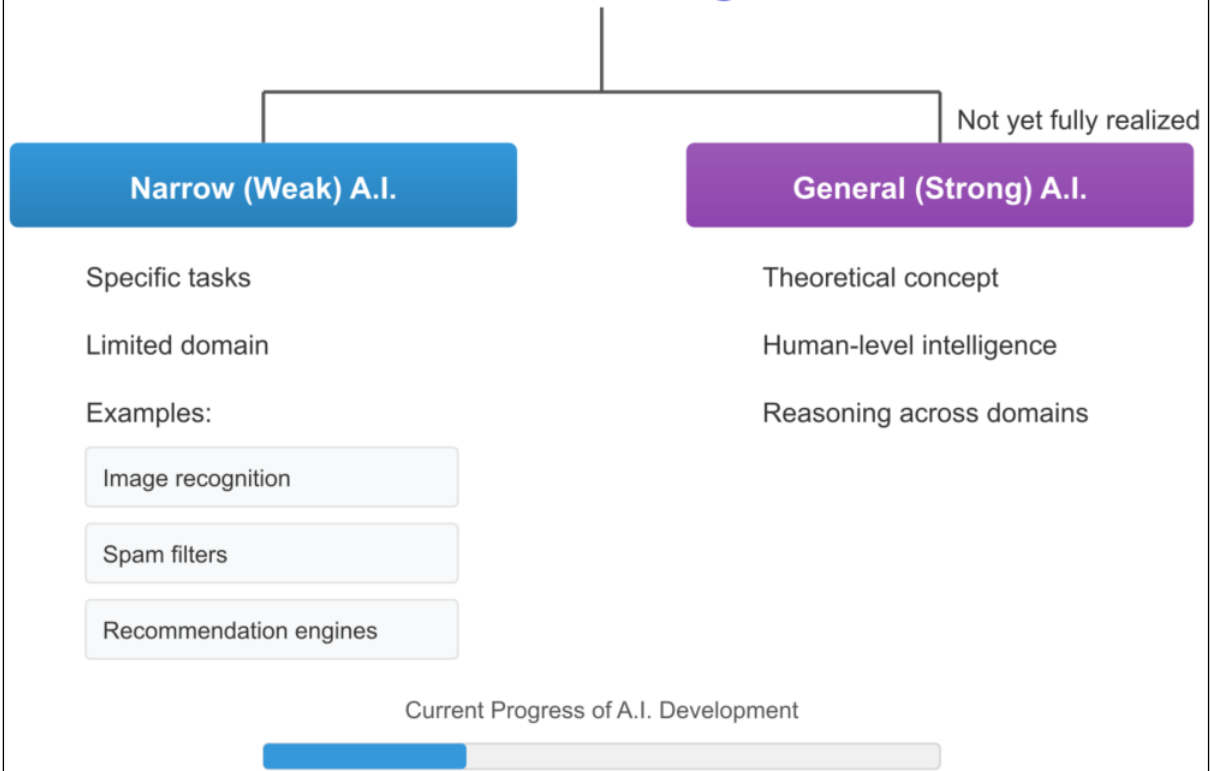
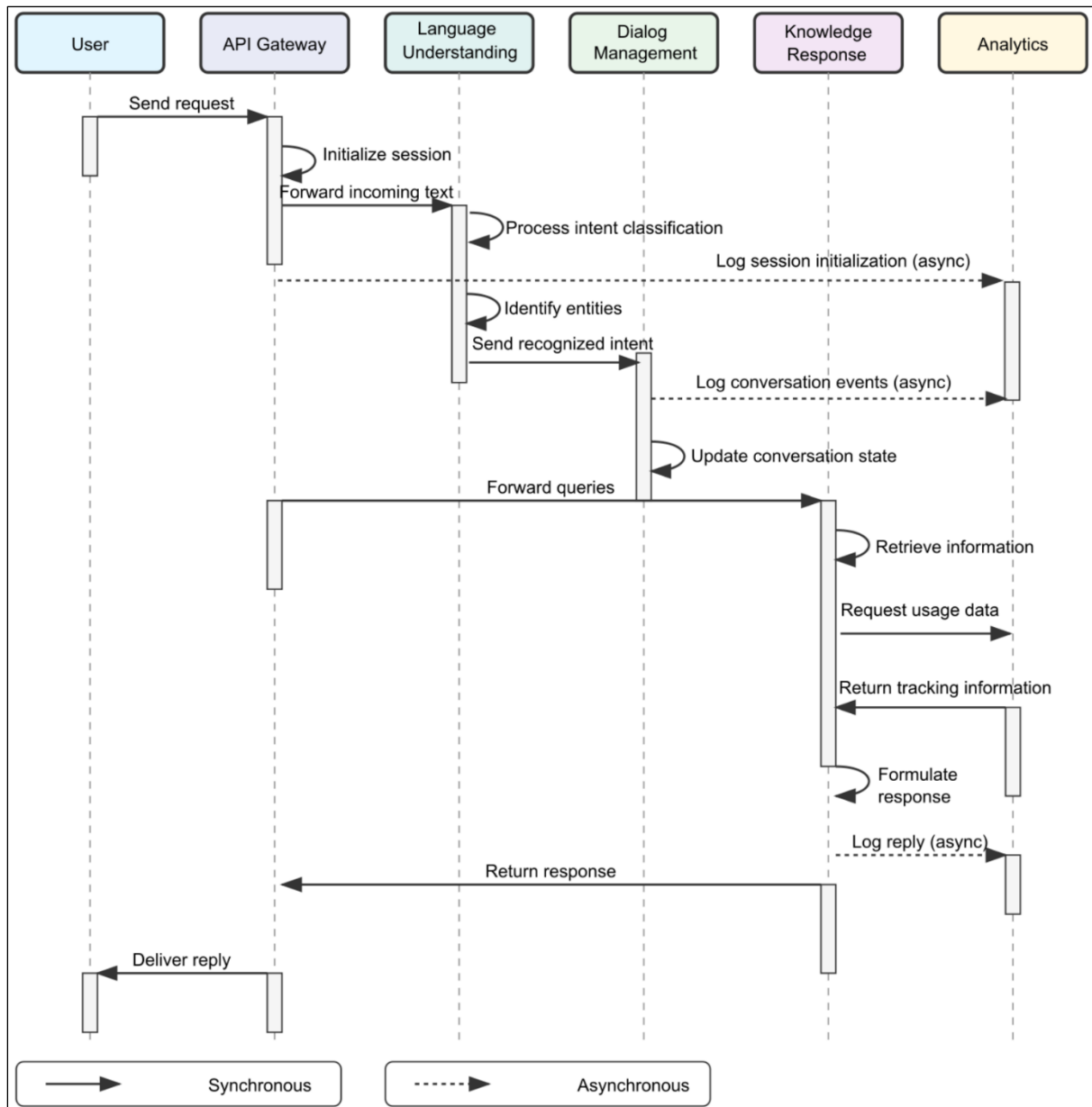


Chapter 1: Challenges of Building AI-Enabled Systems

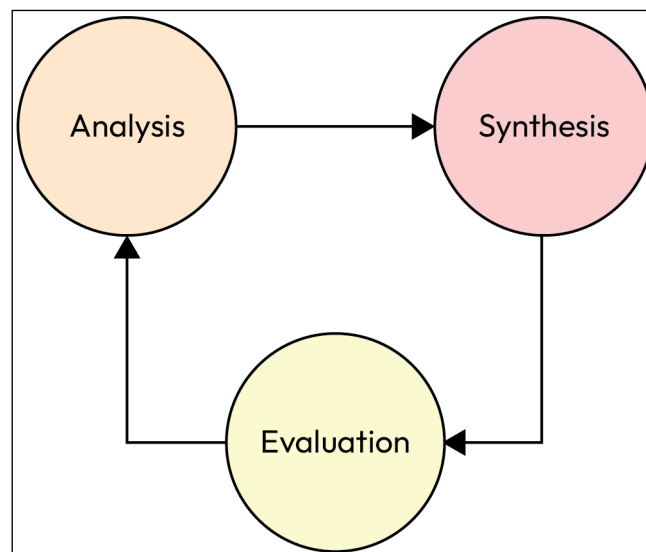
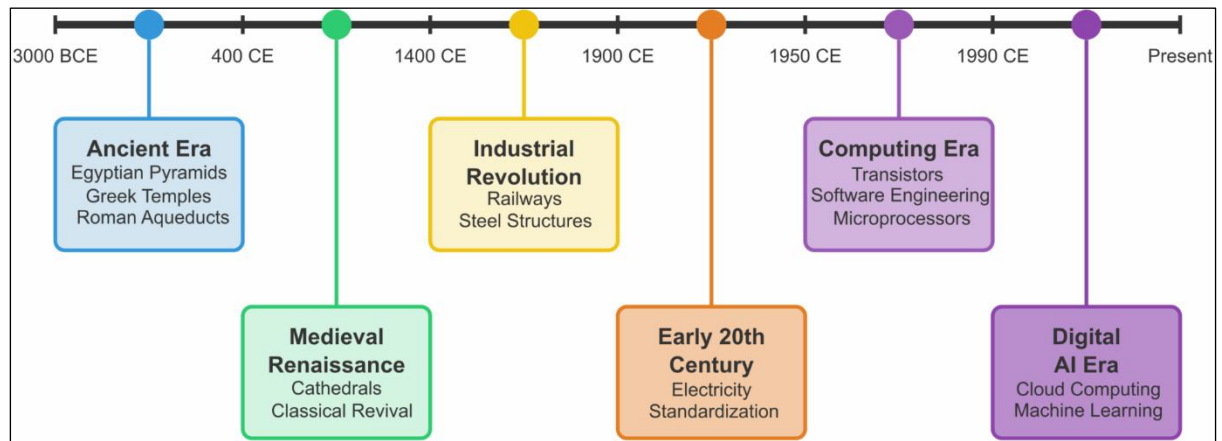


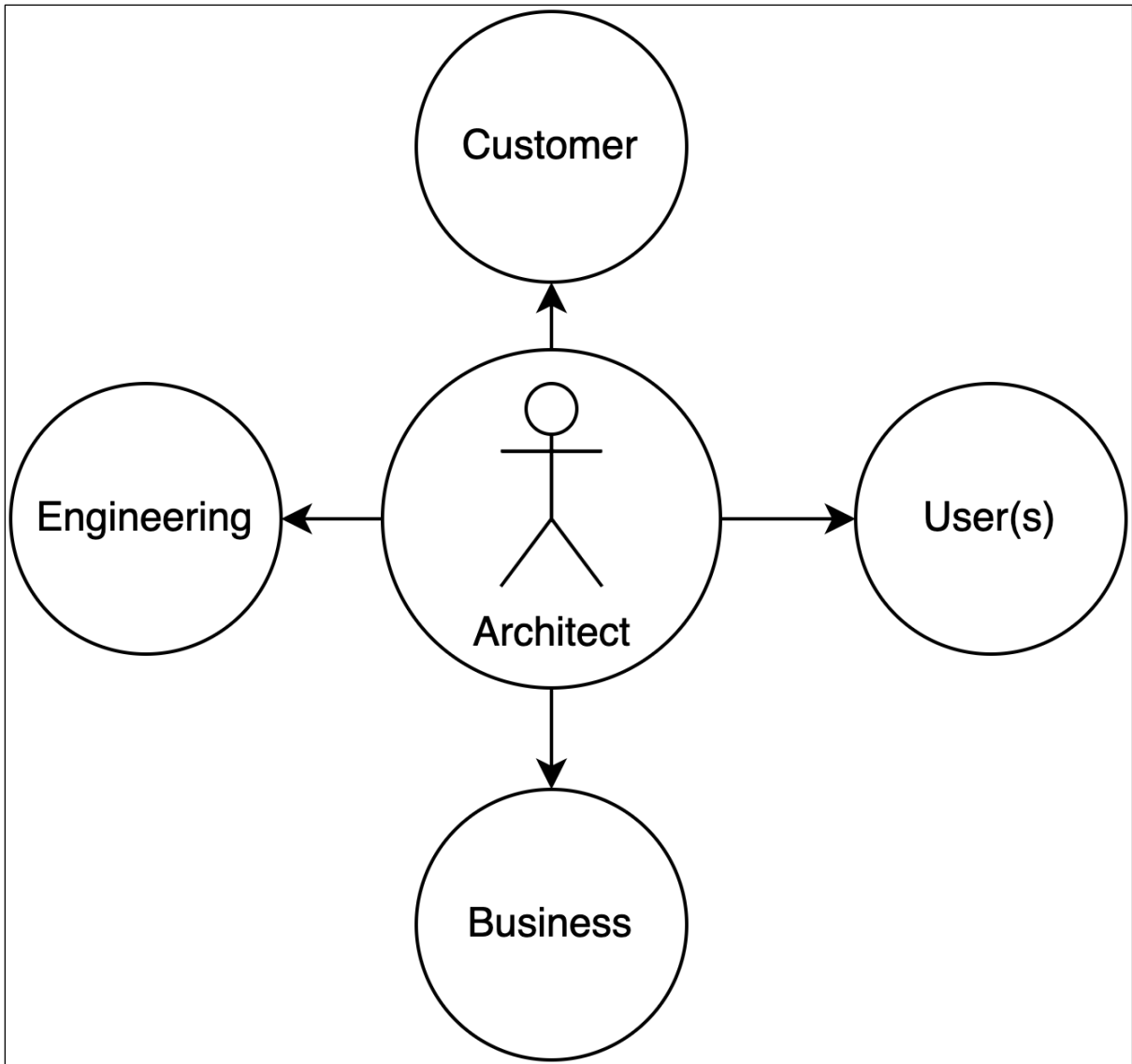
Artificial Intelligence

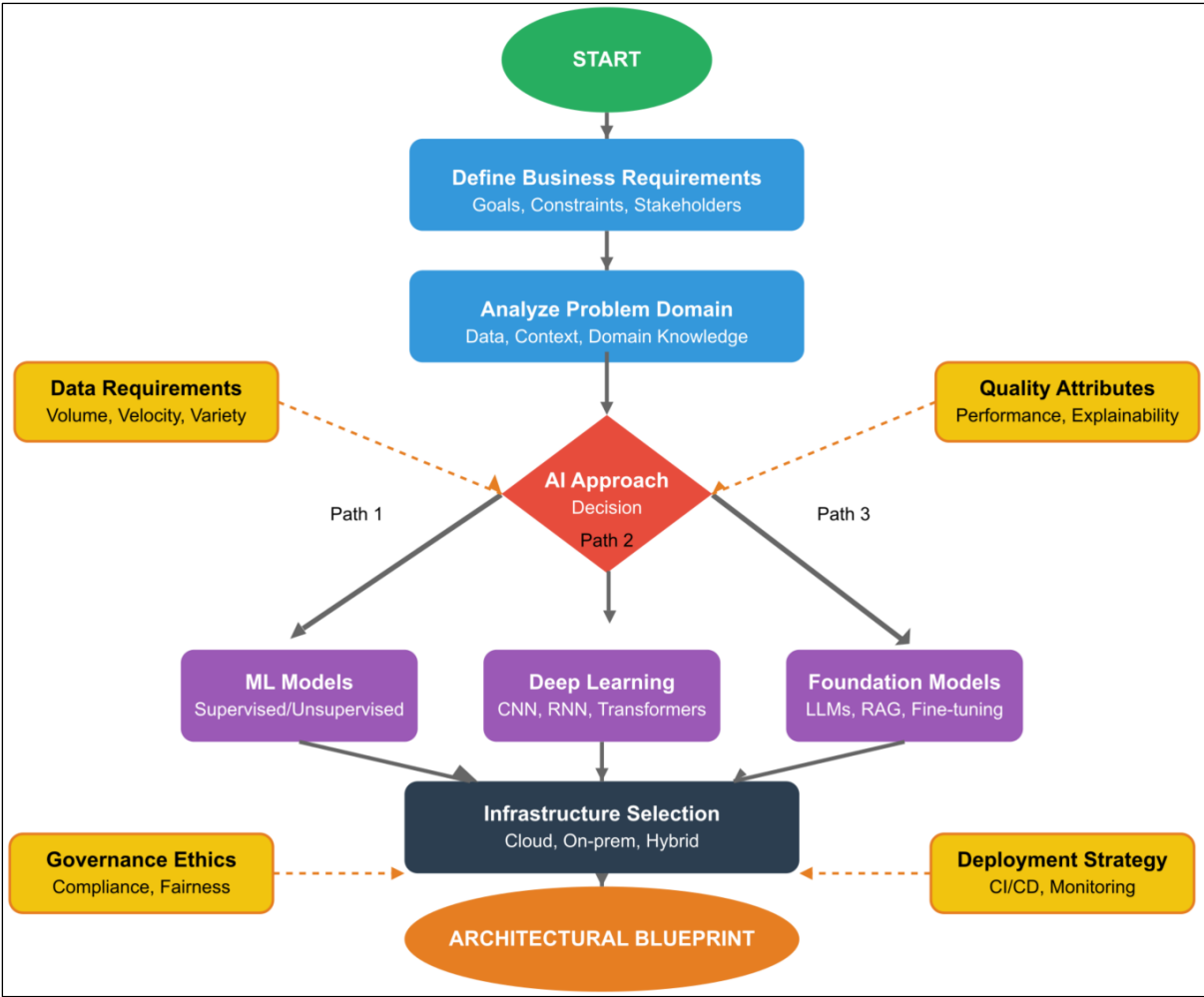


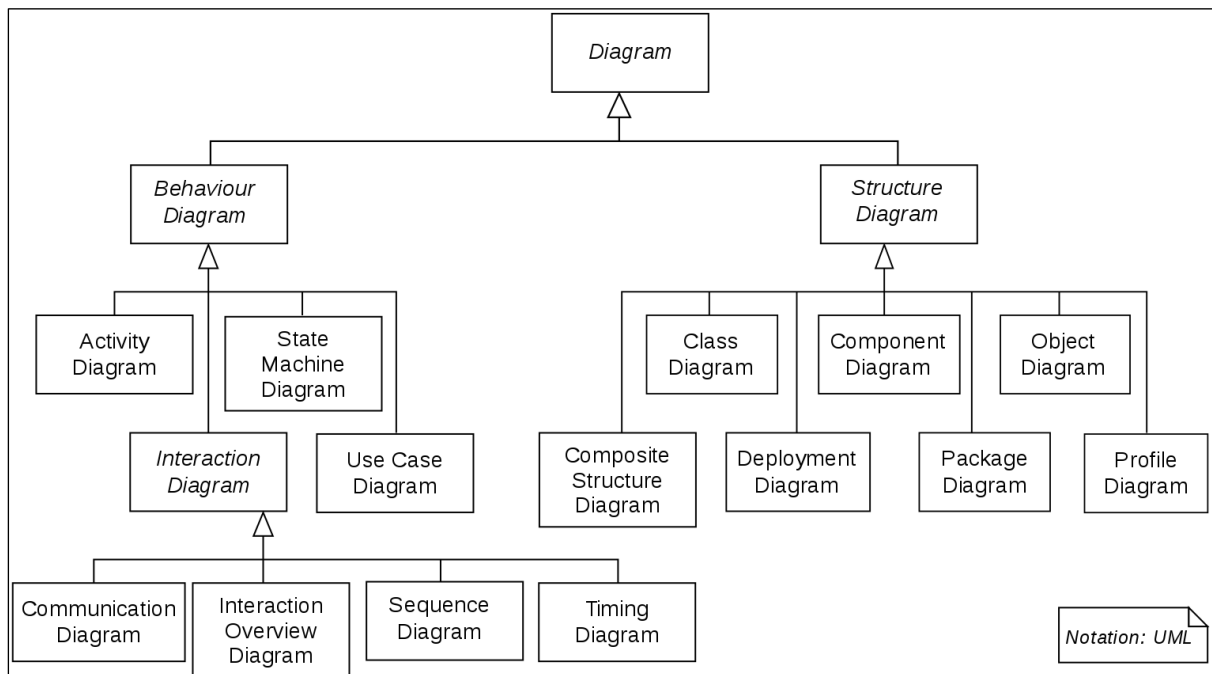
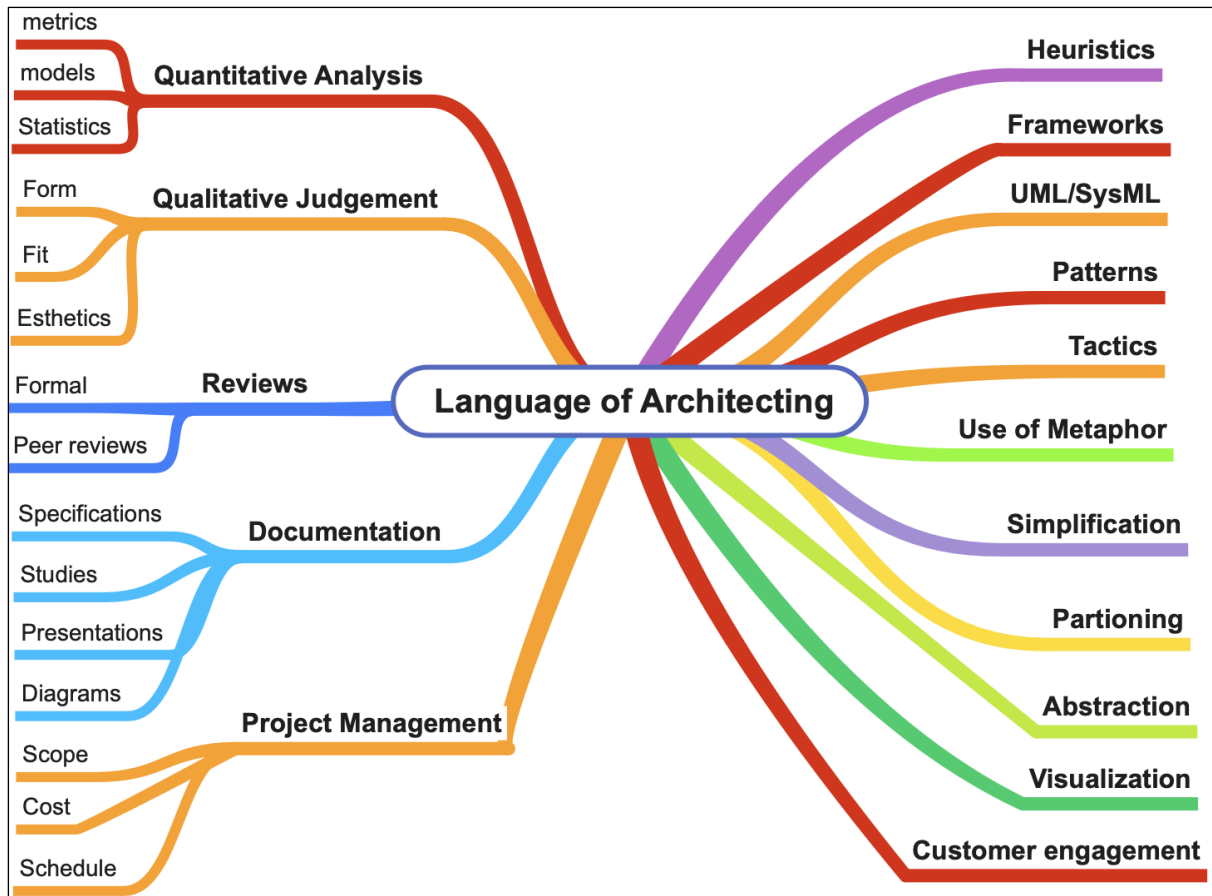


Chapter 2: The Case for Architecture

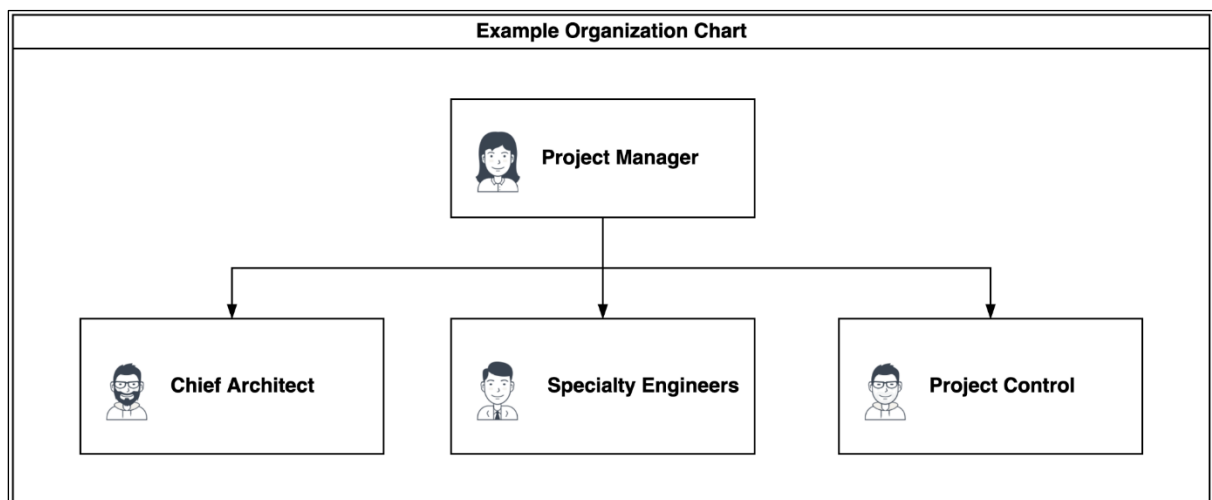
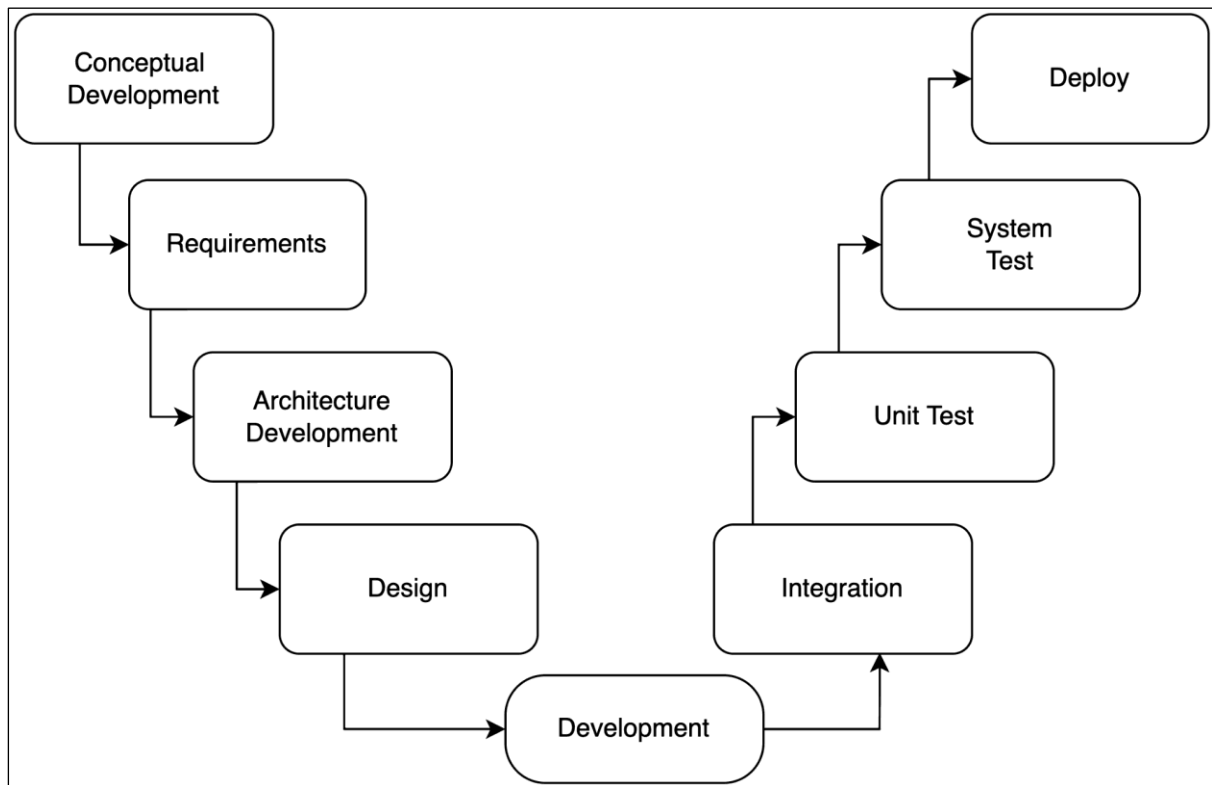




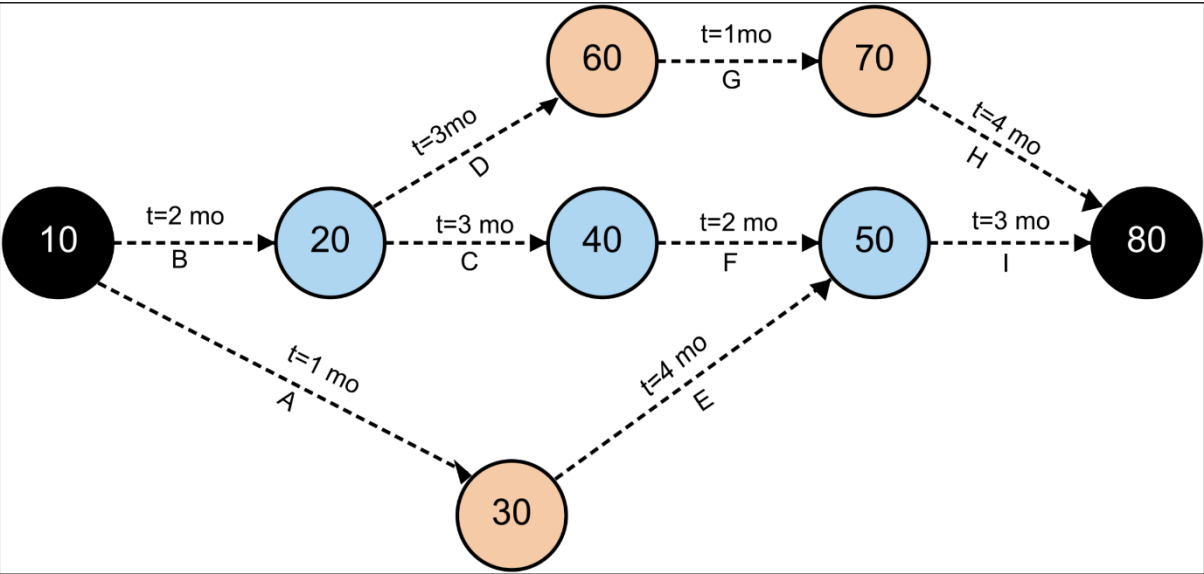




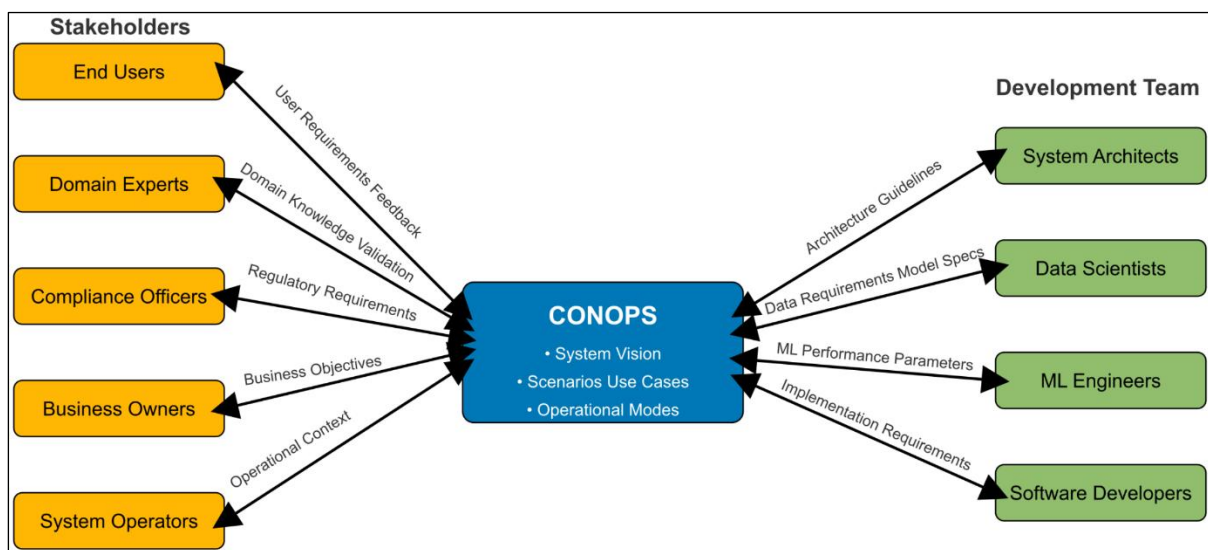
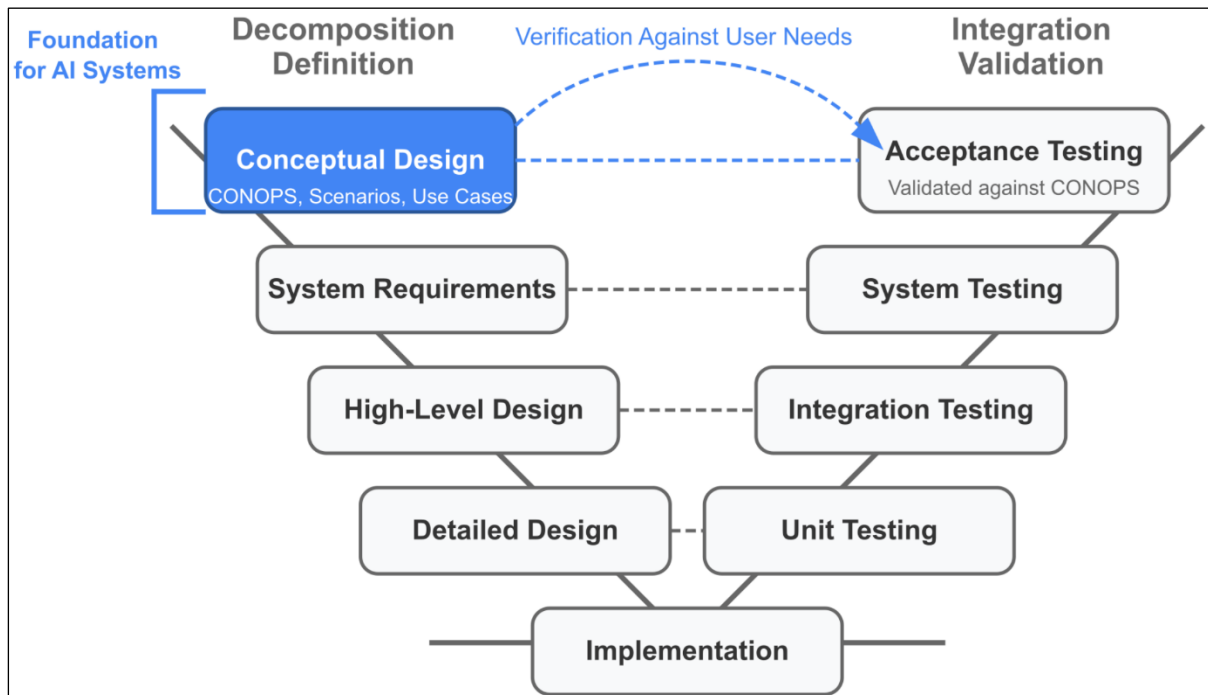
Chapter 3: Software Engineering and Architecture

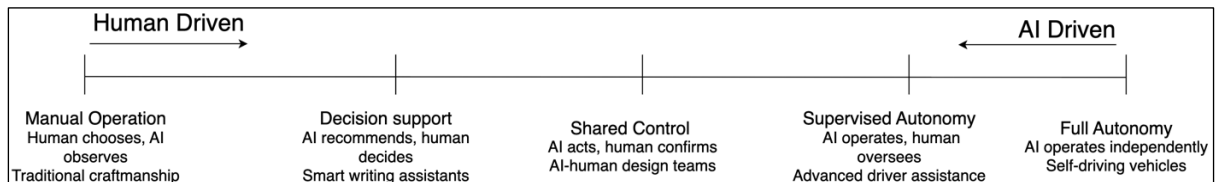
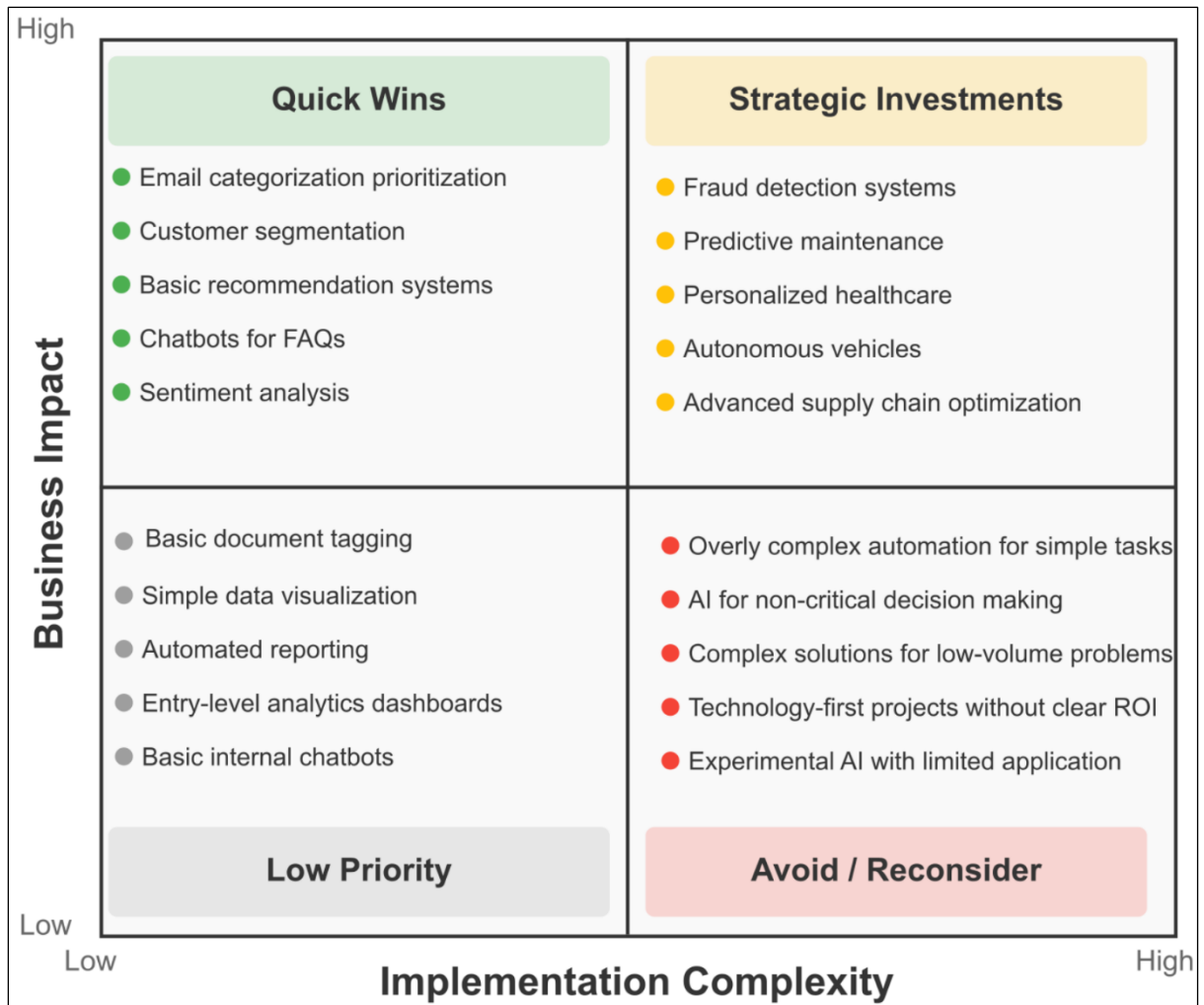


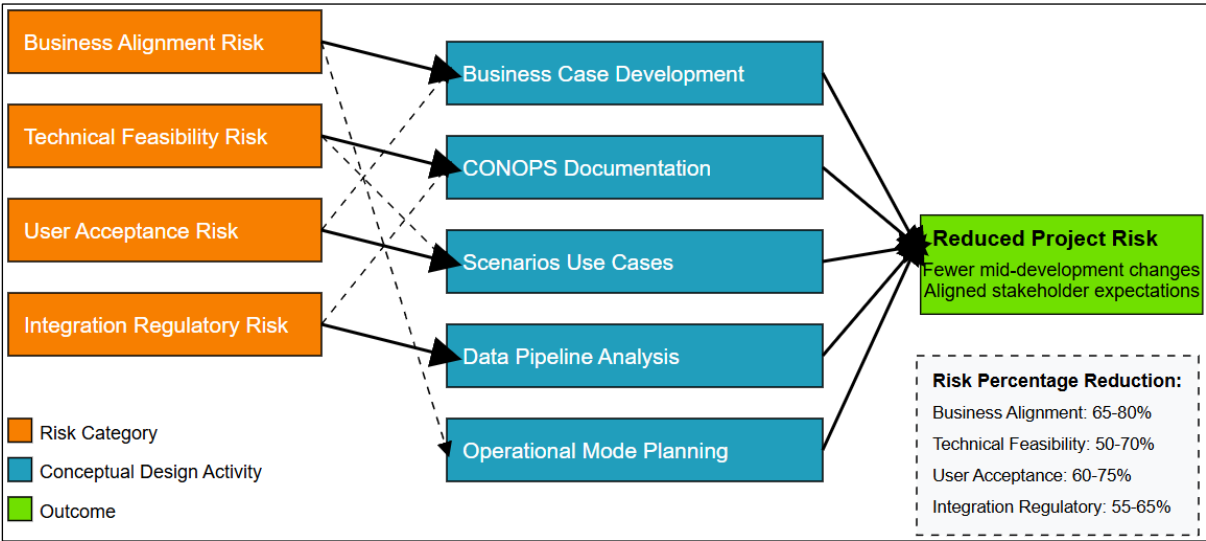
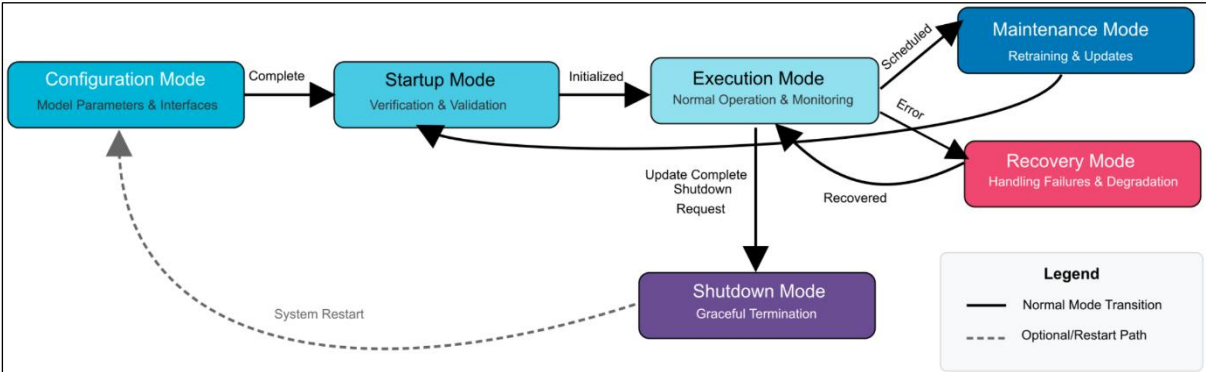
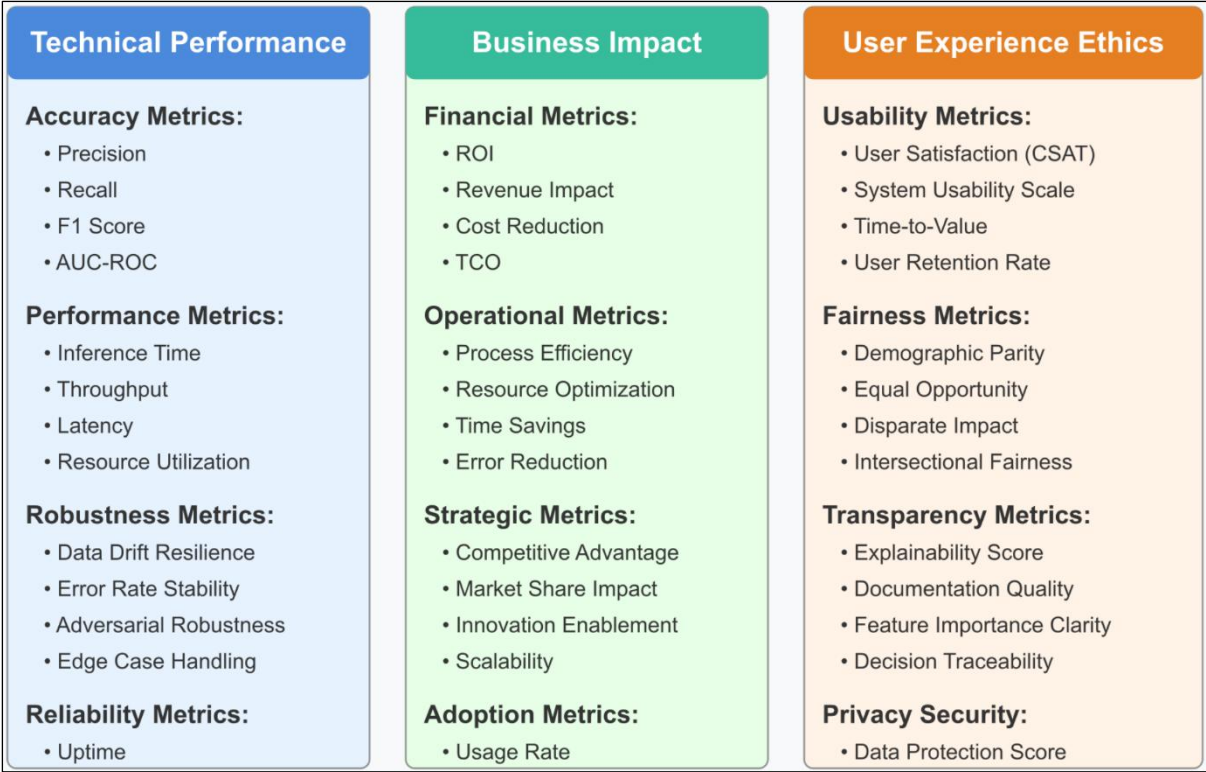
TO DO	DOING	DONE
Task 1 <i>New</i>	Task 4 <i>In progress</i>	Task 6 <i>Completed</i>
Task 2 <i>New</i>	Task 5 <i>In progress</i>	Task 7 <i>Completed</i>
Task 3 <i>New</i>		Task 8 <i>Completed</i>



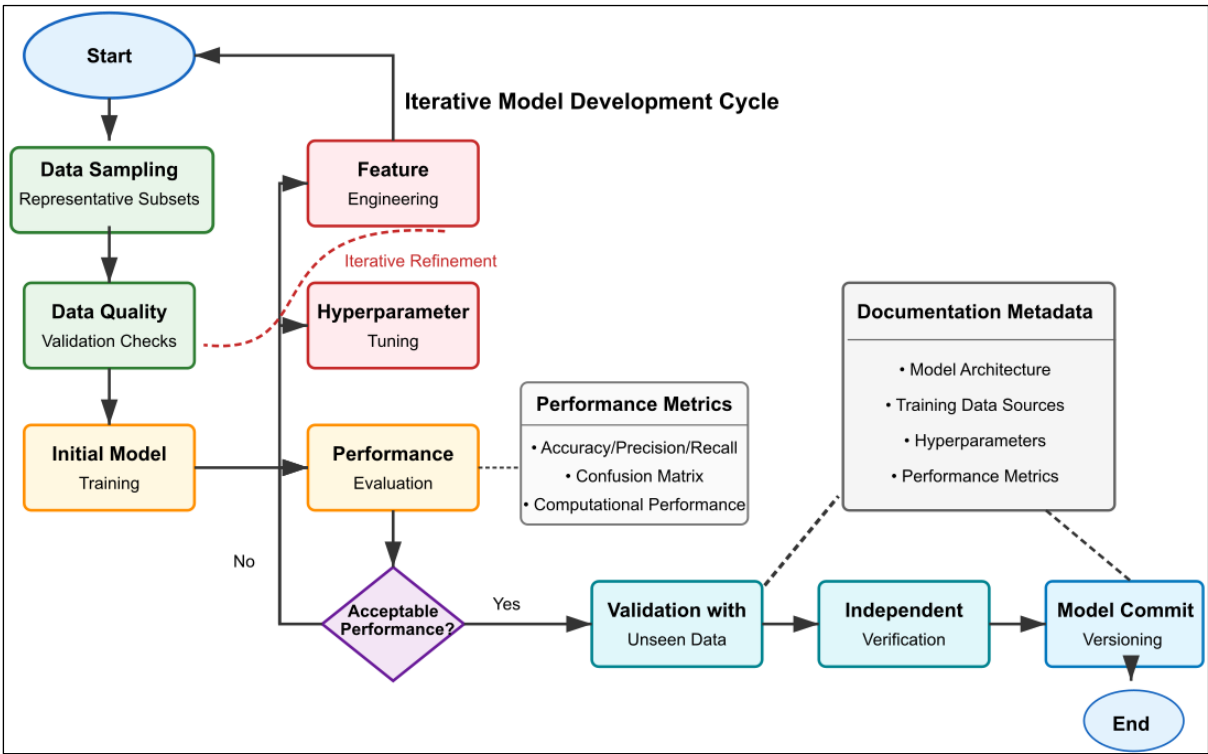
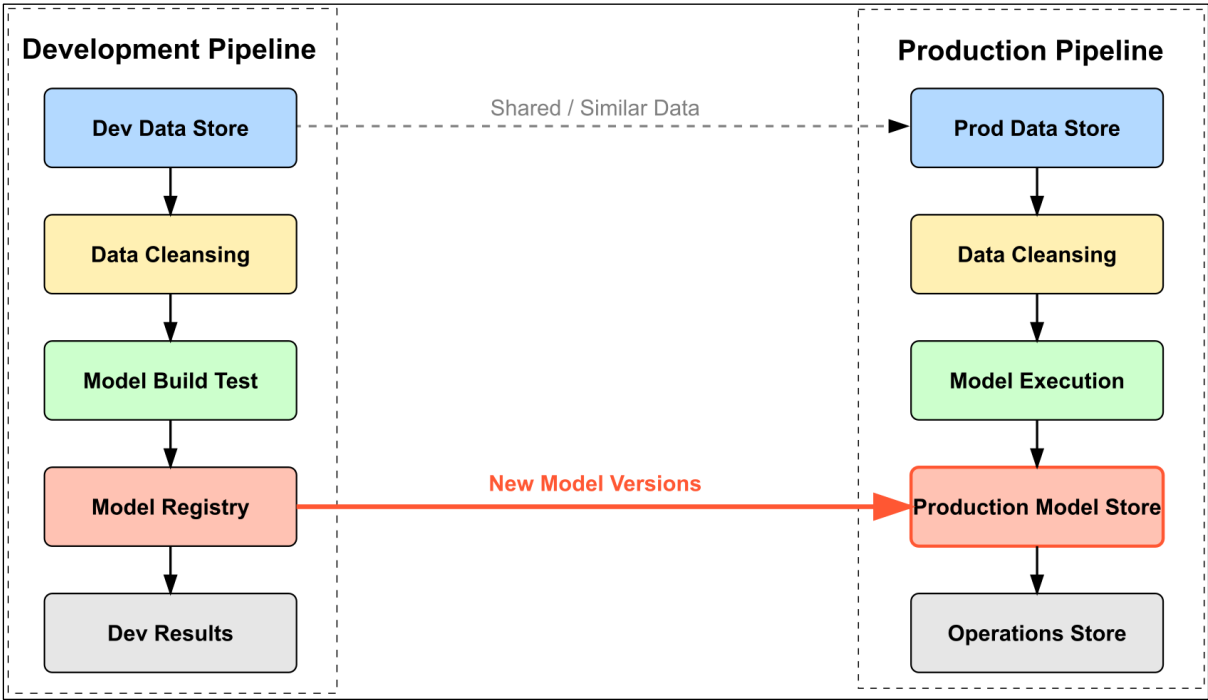
Chapter 4: Conceptual Design



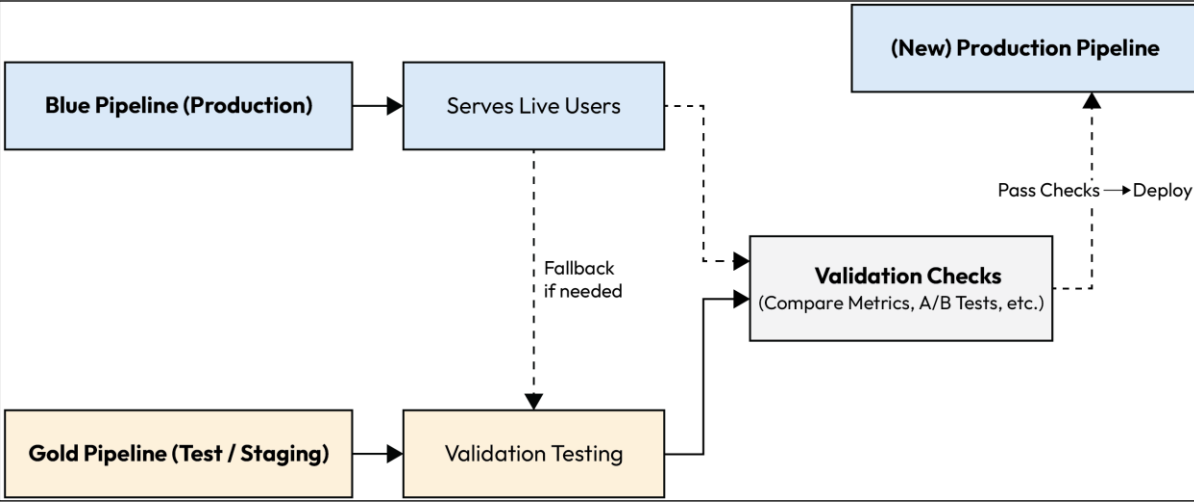
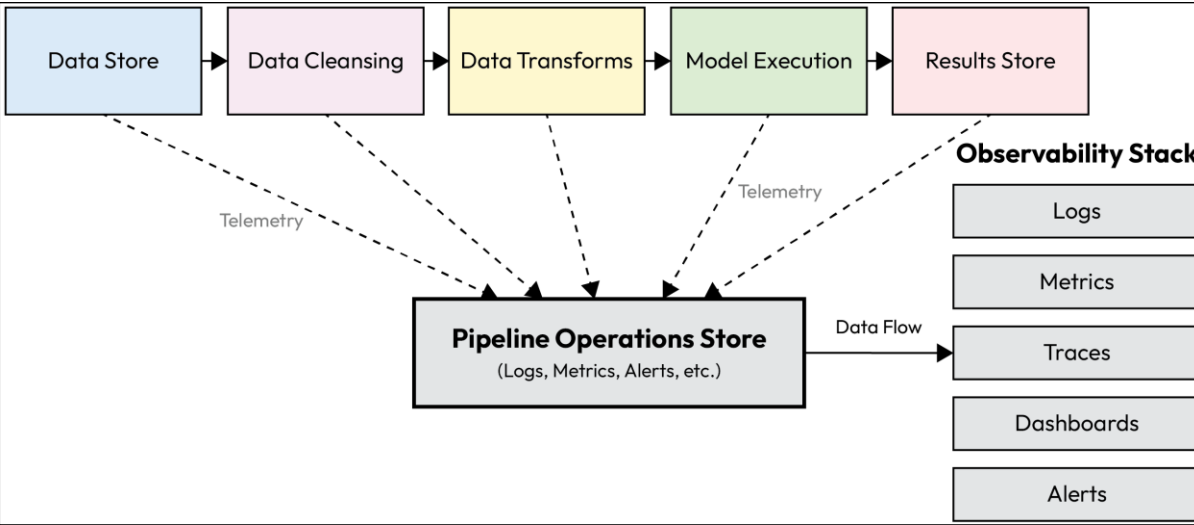
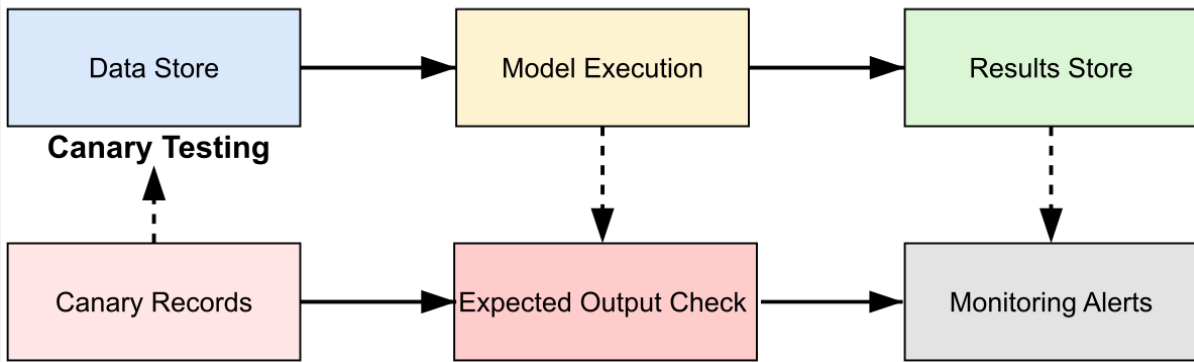




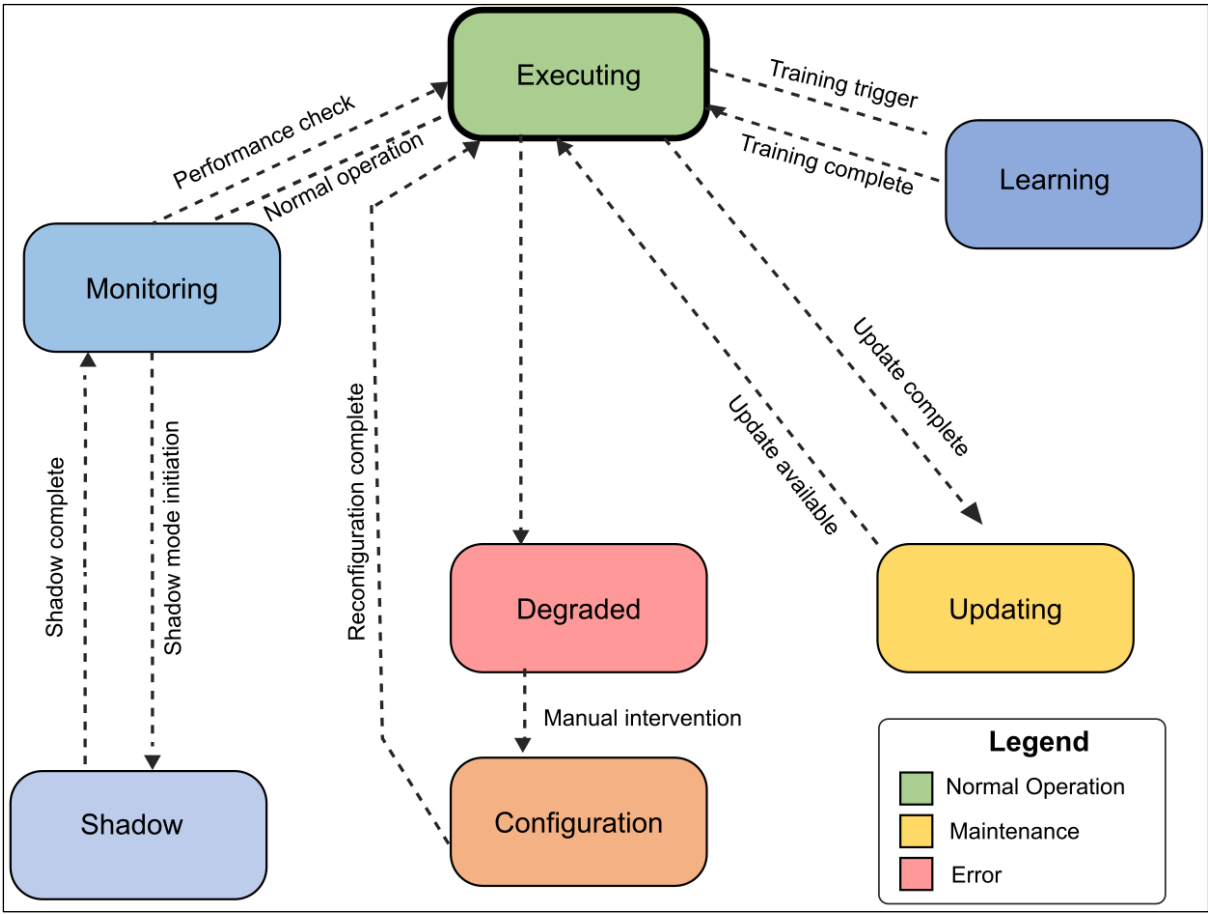
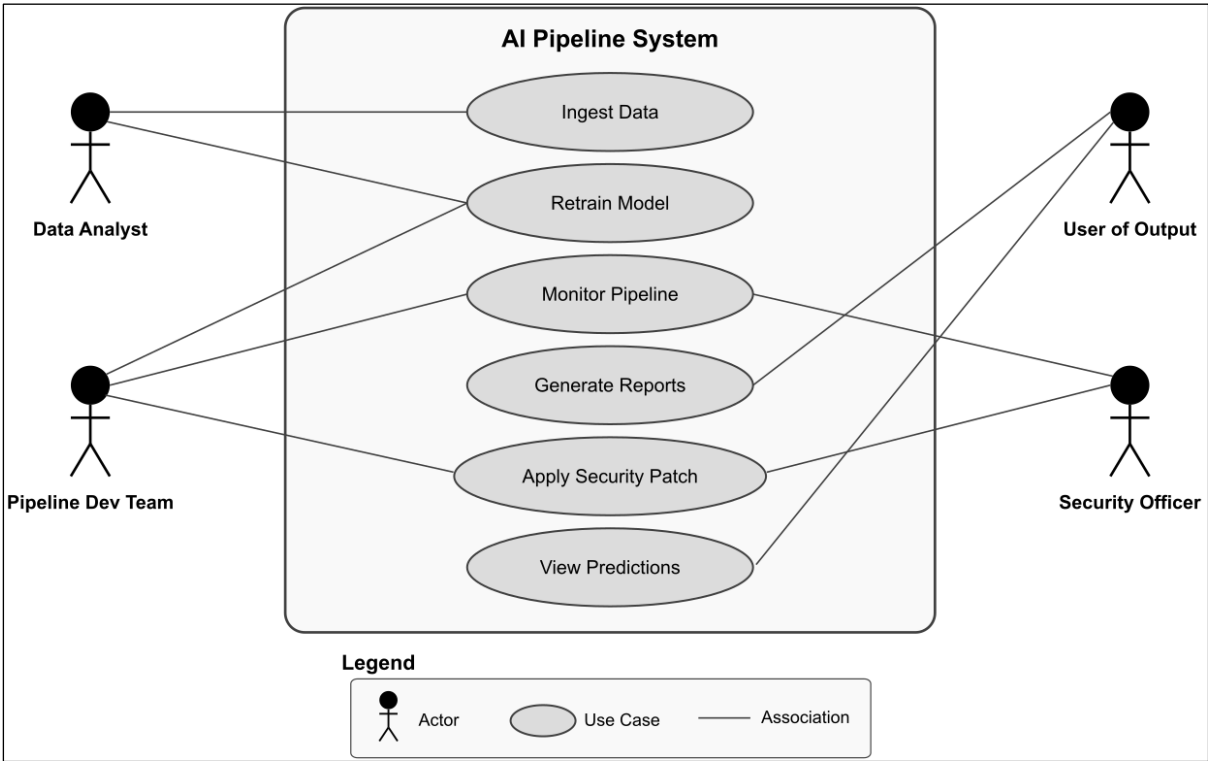
Chapter 5: Requirements and Architecture for AI Pipelines

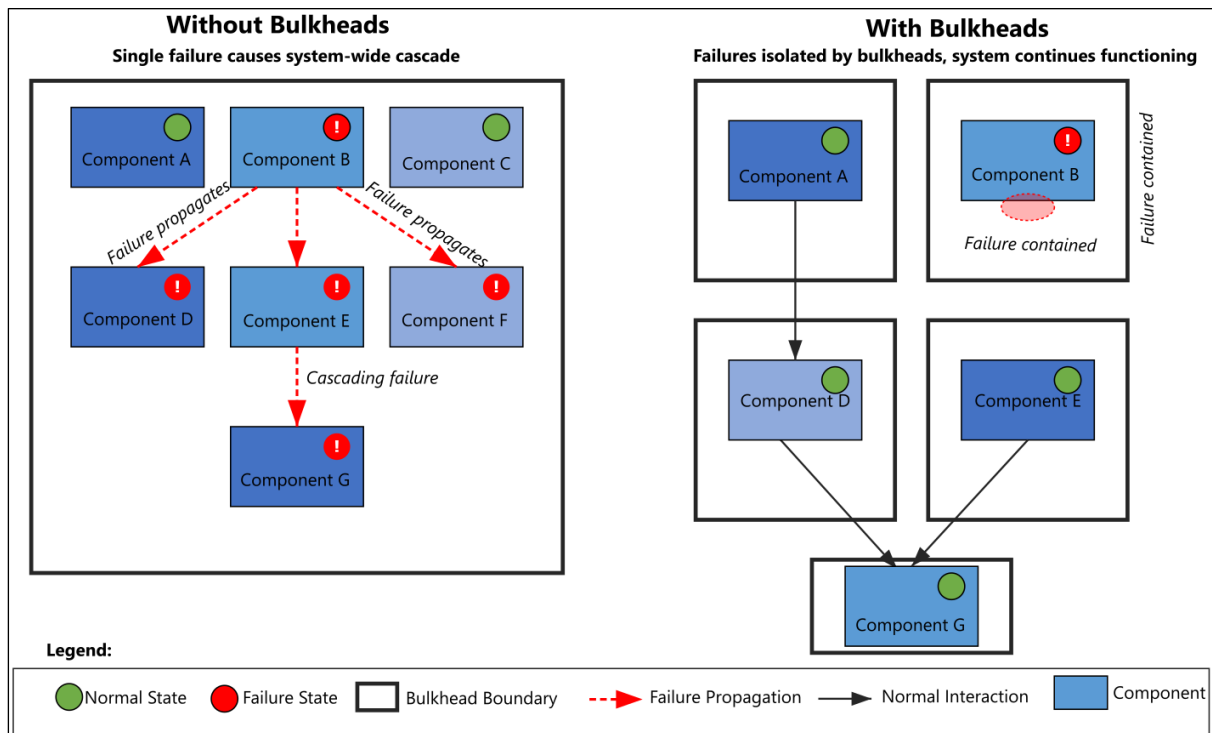
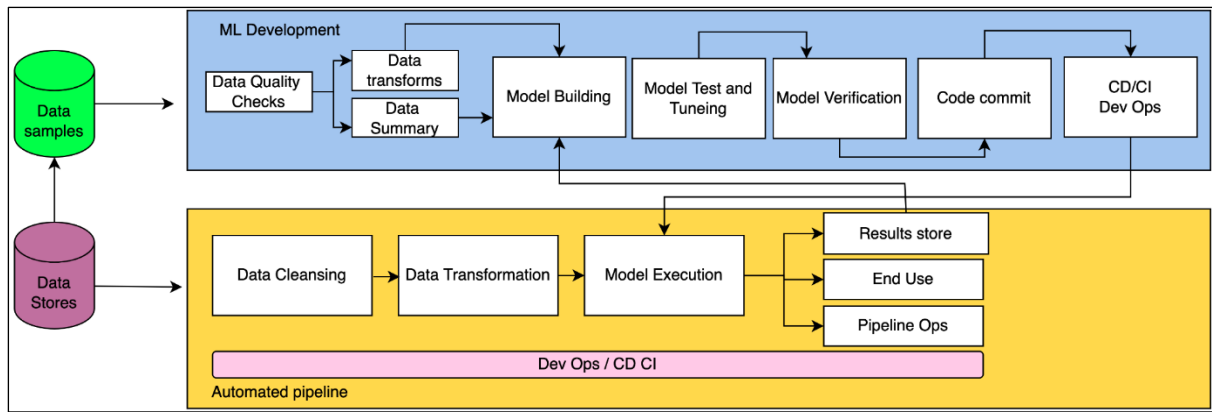


Production Pipeline

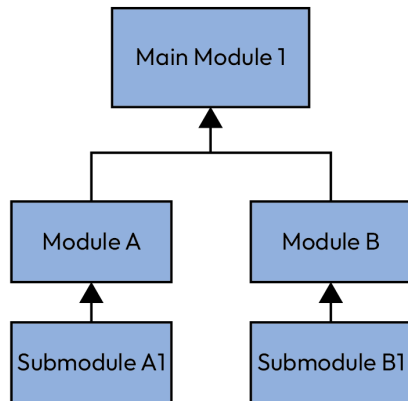


Chapter 6: Design, Integration, and Testing

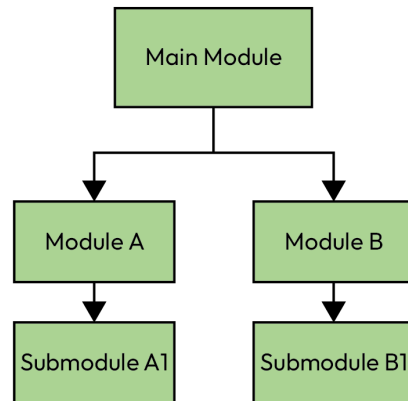




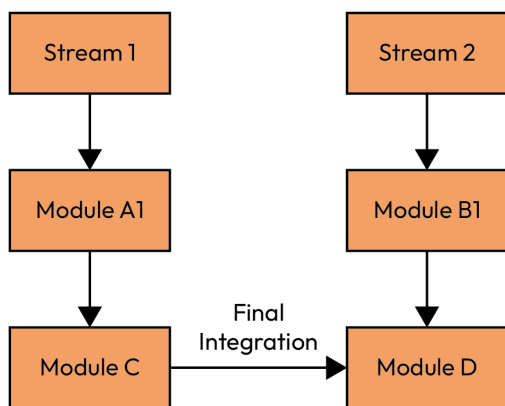
Top-Down Integration



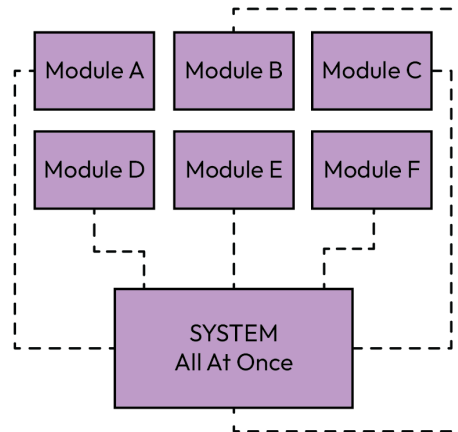
Bottom-Up Integration



Paralled Integration



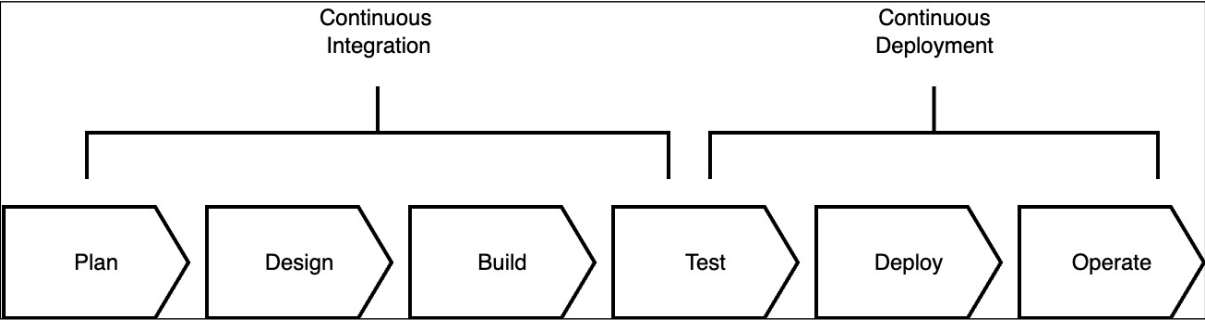
Big Bang Integration



	Functional	Performance	Security	Compliance	Fairness	Integration
UI / User Interface	F	P	S	C		I
API / Integration	F	P	S	C		I
Pipeline Operations	F	P	S	C	FA	I
Model Processing	F	P	S	C	FA	I
Data Management	F	P	S	C	FA	I
Infrastructure	F	P	S			I

Legend

F Functional
 P Performance
 S Security
 C Compliance
 FA Fairness
 I Integration



Chapter 7: Architecting a Generative AI System – A Case Study

