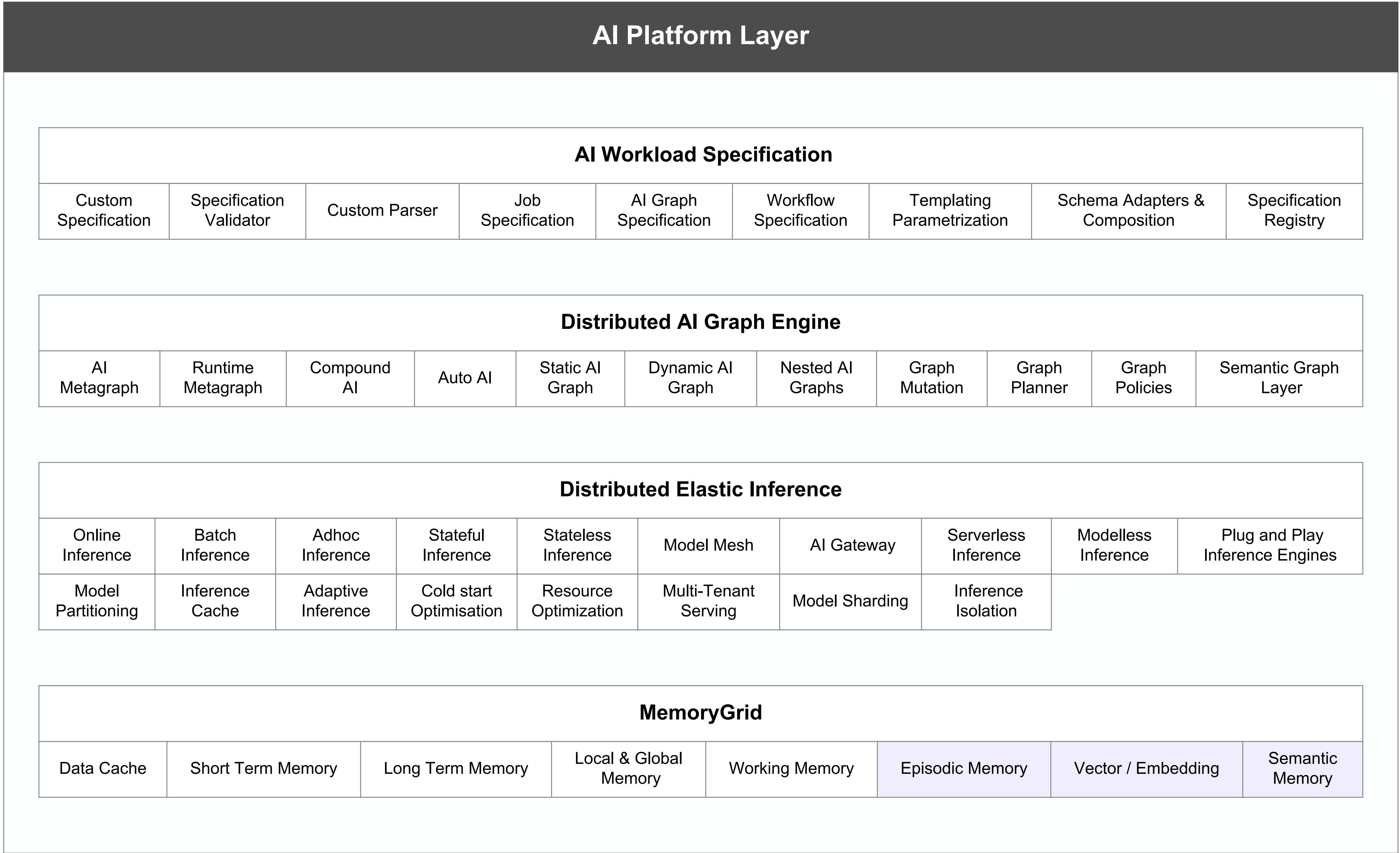


Application Layer

Cognitive Architectures									
Built in primitives for Cognitive Architectures									
Compositional AI systems			Emergent AI (Req. AIGr.id + AgentGr.id)			Agentic (Req. AIGr.id + AgentGr.id)			
Neuro Symbolic	Compound AI	Internet of Intelligence	Collective AI	Societies of Minds	Swarm Intelligence	Agents	Mult-Agent Systems	Reactive, Deliberative AI	
Modular AI			Evolutionary AI						
Non Emergent AI			AI Intelligence levels (Req. AIGr.id + AgentGr.id)						
Neural Network	Symbolic AI	Classical ML	Fuzzy Logic	Open-ended Intelligence	Super Intelligence	AGI	Narrow AI		
Topologies of ownership, access & governance									
AI Commons	AI Grid	Private AI	Public AI	Federated AI	Sovereign AI	Decentralized AI	Polycentric AI	Cloud AI	Local AI
Meta Architectures									
Compositional	Modularity	Pluralism	Heterogeneous	Interoperable	Protocol Standards	Decentralized	Polycentric	Sovereignty	Safe
Alignment	Ethical	Transparency	Open-endedness	Resilience	Explainability	Forkable	Loose Coupling	Accountable	Fractal

Trust, Governance, Safety, Security, Incentive, Reputation										
PolicyGrid: Turing Complete, Programmable Policies										
Governance	Trust	Guardrails	Security	Incentive	Steerability	Fulfilment Audit	Alignment	Enforcement	SLA	
Conflict Resolution	Resource Management	Escalation Handling	Dynamic Deligation	Program Ethics	Program Behaviour	Reputation	Behaviour Audit	Inference Strategies	Monitoring	
Security										
Identity & Access Control			Secret & Credential Management			Network Security & Communication				
IAM	RBAC	ABAC	Secret Management		Key Management		mTLS	Firewall	Encryption (In rest & Transit)	DDoS Protection
Asset Security			Secure Computing			Others				
Signing & Verification	Asset Encryption	Asset Access Control	TEEs	Sandbox	Confidential VMs	MPC	Rate limiting & Throttling	Abuse Detection	Immutable logs & Audit Trails	Model Fingerprinting



## Coordination & Orchestration Layer

Coordination	Orchestration	Flow Governor.Network (Across Blocks, Nodes & Clusters)
		Network Governor.Network (Multi / Across Cluster)
		Cluster Governor.Network (Multi / Across Node)
		Node Governor.Network
		Block Governor.Network (Multi / Across Nodes & Clusters)

Resource Management										
Resource Pooling	Scheduler	Resource Allocation	Resource Selection	Resource Isolation	Quota Management	Auto Scaling	Resource Optimisation	Resource Monitoring	Audit & Log	Priority & Affinity
Resource Negotiation	Metrics	Load Balancing	Fault Tolerance	Agency: Network, Cluster, Node, Block Governor Network						

Job Management									
Job Scheduler	Job Triggers	Job Queues	Job Executors	Job Resource Manager	Job Isolation	Job Fault Tolerance	Job Status and Tracker	Destructor & Garbage Collection	Job Recovery
Execution Order	Parallelism / Fan out	Concurrency	Conditional Logic	Dependency Resolution	Priorization & Preemption	Result Collection	Job Intervention	Secrets & Config Injection	Audit & Logging
Agency: Flow Governor Network									

AI Graph Management									
Decentralized Graph Executor	Decentralized Graph Coordination	Graph Scheduling	Graph Resource Manager	Auto Scaling	Graph Fault Tolerance	Graph Policy Engine	Graph Monitoring	Graph Metrics	Audit & Logging
Graph Load Balancer	Graph Optimisation	Data Router	Agency: Flow Governor Network						

Resource, Service, Artifact (RAS) & Data Handling									
RAS Asset Registry	RAS Run time Registry	RAS Registration	RAS Discovery	RAS Selection	RAS Gateway	RAS Policy Registry	RAS Container Registry	Data Routing Service	Policy Enforcement
Data Distributor	Data Aggregator	Data Sync							

