

{AI}

The AgenticAI Developer

Build, Deploy & Monetize Production-Grade AI Agents
Using Claude Code · OpenAI Agents SDK · MCP · Spec-Driven Development

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BOOK CHAPTERS — 11 CHAPTERS

Ch 01 The AI Agent Factory Paradigm OODA Loop · Digital FTE model · Five Powers of Agents · 10-80-10 Rule · Monetization models	Ch 02 Markdown — Writing Instructions for Agents CLAUDE.md · SKILL.md · Agent-to-agent messaging · Structured prompts · Production templates
Ch 03 General Agents — Claude Code & Cowork CLI mastery · MCP integration · Agent Skills · Custom MCP servers in Python	Ch 04 Effective Context Engineering U-shaped attention · 70% Threshold Rule · Memory injection patterns · Multi-agent isolation
Ch 05 Spec-Driven Development with Claude Code SDD levels · SPEC.md templates · Phase gates · Reducing approval fatigue	Ch 06 Seven Principles of Agent Problem Solving Bash as key · Code as interface · Verification · Small reversible steps · State persistence
Ch 07 File Organization & Automation Agentic project structure · Batch processing · asyncio concurrency · Weekly automation scripts	Ch 08 Research Synthesis & Document Generation 3-stage pipeline · Multi-source research · WebSearchTool · python-docx integration
Ch 09 Data Analysis & Version Management pandas + LLM agents · matplotlib automation · Git workflows · .gitignore for agent projects	Ch 10 Agent Safety, Ethics & Observability Guardrails · LangFuse tracing · Hallucination control · Privacy · Human oversight
Ch 11 Building Your AI Employee (Capstone) Supervisor + Sub-agents · SPEC.md → Docker → Deploy · Monetization paths for Digital FTEs	

TECH STACK & TOOLS

OpenAI Agents SDK	Claude Code	Claude Cowork	MCP Protocol	FastAPI	LangFuse
Docker	python-docx	Qdrant	asyncio	pandas	Streamlit

WHAT YOU WILL BUILD & LEARN

◆ Digital FTE Build production-grade AI agents that work 24/7 like human employees	◆ SPEC.md → Code Master Spec-Driven Development — write specs, let Claude Code implement
◆ MCP Servers Build custom MCP servers in Python and connect agents to any service	◆ Safe Deployment Add guardrails, LangFuse tracing, and Docker deployment to every agent
◆ Monetize Package and sell AI agents via subscription, licensing, or success fees	◆ Capstone Project Ship a full Student Services AI Employee: Supervisor + Sub-agents + API

