AMUA TAVERSHIMA

AI Agentic Workflow Engineer | Meta-Orchestration Specialist

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[GitHub](https://github.com/terramentis-ai) | [LinkedIn](https://linkedin.com/in/amua-tavershima) | [Portfolio](https://github.com/terramentis-ai/terraqore-studio)

PROFESSIONAL SUMMARY

Innovative AI Agentic Workflow Engineer specializing in meta-agentic orchestration platforms for end-to-end AI project development. Expert in designing and building advanced multi-agent systems, with proven experience developing the Meta-Orchestration architecture in TerraQore Studio—a platform coordinating nine specialized AI agents through a secure, adaptive 6-stage pipeline. Proficient in custom orchestration engines, workflow automation, multi-provider LLM integration, and AI-powered educational platforms. Previously excelled as an AI Prompt Engineer, crafting brand-elevating prompts for social media campaigns. Passionate about scalable, secure agentic workflows that empower developers, data scientists, and learners.

CORE COMPETENCIES

AI Orchestration & Agentic Systems
Meta-orchestration • Multi-agent coordination • Workflow engines • Adaptive routing

Frameworks & Tools
Custom agent workflows (LangChain, CrewAI, AutoGen principles) • Python/FastAPI • React • Docker

LLM Integration
Multi-provider support (OpenRouter, Ollama) • Task-specific model routing • Prompt profiling • RAG systems

Security & Reliability
Prompt injection defense • Sandboxed execution • PSMP (Project State Management Protocol) • OWASP scanning

Additional Expertise

Prompt engineering • End-to-end AI lifecycle management • DevOps automation (IaC, CI/CD) • Educational technology • CRM development

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PROFESSIONAL EXPERIENCE

Lead AI Workflow Architect & Developer
TerraQore Studio (Open-Source Project) | May 2025 – Present
github.com/terramentis-ai/terraqore-studio

Architected and implemented a comprehensive meta-orchestration framework for AI project development, demonstrating expertise in building production-ready agentic systems.

- Designed and built the Meta-Orchestration framework featuring a central Agent Orchestrator and Workflow Engine that coordinates nine specialized AI agents (IdeaAgent, PlannerAgent, CoderAgent, SecurityVulnerabilityAgent, and others) across a secure 6-stage pipeline: ideation, validation, planning, code generation, quality validation, and security scanning.

- Developed robust orchestration engine with **Project State Management Protocol (PSMP)** for conflict prevention, state management, and safe artifact handling, ensuring reliable multi-agent interactions in complex end-to-end AI projects.

- Integrated multi-provider LLM layer with adaptive routing supporting 300+ models via OpenRouter (primary) and Ollama (fallback) for task-optimized performance, cost efficiency, and local execution support.

- Implemented enterprise-grade security features including sandboxed code execution (Docker), comprehensive audit logging, and automated vulnerability scanning, demonstrating proficiency in building secure, production-ready agentic workflow systems.

- Enabled full-cycle AI development capabilities including experiment tracking, model registry, and DevOps automation, positioning TerraQore Studio as a flagship meta-agentic platform for developers and data scientists.

AI Platform Developer
Skills2Earn | *skills2earn.ng* | March 2025 – June 2025

Designed and developed an AI-powered learning platform to revolutionize skill acquisition and professional development (discontinued due to lack of financing).

- Architected an adaptive learning platform utilizing AI agents to personalize educational pathways, assess learner progress, and deliver contextual content recommendations based on individual learning patterns and career goals.

- Implemented intelligent content generation and curation systems that leveraged multi-agent workflows to create, validate, and optimize educational materials across diverse skill domains.

- Built RAG-powered (Retrieval-Augmented Generation) systems to provide learners with accurate, contextual responses to queries, enhancing the interactive learning experience.

- Successfully reached beta phase, demonstrating platform viability through iterative refinement of features based on user feedback, performance metrics, and pedagogical best practices.

- Integrated assessment automation and skill verification mechanisms powered by LLMs to provide real-time feedback and credential validation for learners.

AI Prompt Engineer
HoneyHill Ltd | @honeyhill.ng (Instagram) | July 2025 – Present

Elevated brand presence through strategic AI-driven content creation and optimization.

- Crafted professional, brand-elevating prompts for AI-generated content across all social media campaigns on @honeyhill.ng, enhancing engagement through refined tone, structure, and contextual relevance.

- Collaborated with marketing team to optimize AI-driven content strategies, maintaining consistent brand voice while driving higher impact messaging and audience engagement.

- Analyzed performance data to iteratively improve prompt engineering techniques, boosting creativity, efficiency, and ROI in campaign content generation.

- Designed and developed a professional CRM system customized to HoneyHill Ltd's specific business requirements, leveraging customer data analytics to enhance client relationship management and sales processes.

TECHNICAL SKILLS

Programming & Development
Python, JavaScript, FastAPI, React, RESTful APIs, Docker, Git

AI/ML Technologies
LangChain, OpenRouter, Ollama, OpenAI API, RAG systems, Vector databases, Prompt engineering

Orchestration & Automation
Custom workflow engines, Multi-agent systems, CI/CD pipelines, Infrastructure as Code

Security & Best Practices
OWASP guidelines, Secure code review, Vulnerability scanning, Audit logging, Sandboxed environments

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PROJECTS & PORTFOLIO

TerraQore Studio - Open-source meta-agentic orchestration platform
github.com/terramentis-ai/terraqore-studio

Full portfolio available at: github.com/terramentis-ai

References available upon request