

Deepbleu Carpeso

AI Integration & Automation Developer

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GITHUB.COM/THEWHATDEEP

REMOTE

I design business systems and integrate AI solutions. Business Process Improvement Specialist, with a focus on AI integration and Software Engineering.

01 EXPERIENCE

Freelance Developer / Sole Proprietor · Digital Circuitry

ONGOING

- Architected a multi-model AI ingestion pipeline for a business-process automation client — LLM extraction, a deterministic validation layer, and a second LLM for assembly/QC, with human-in-the-loop review; capture, storage, and review systems now in production use.
- Own the full project lifecycle — scoping, architecture, development, deployment, and client communication — including orchestration design for automated, trigger-based AI workflows.

Lead Developer — AI & Game Systems · Persona

INDEPENDENT

- Designed and built an AI-driven NPC psychology engine (~1,400 lines, 174 tests) — LLMs handle behavioral voicing and classification while game-state logic stays deterministic and host-owned.
- Modeled personality, emotion, and social behavior on established psychological frameworks (Maslow, Plutchik, Big Five, Bandura); ratified a formal v2.0 spec through structured multi-model AI review assessing 37 findings.

Founder / Developer · Nvlst

INDEPENDENT

- Building a novel-writing application around a deterministic continuity-checking engine, deliberately separating AI use (prose generation) from core logic.
- Evaluated and positioned against AI-writing competitors to define a defensible product niche.

02 PRIOR EXPERIENCE

Operations Coordinator · Mountain Tactical Co.

2024-25

E-commerce & fulfillment ops — cut average delivery times 22% and stock-related order issues 13%.

Virtual Assistant · Lotus Tickets

2023-24

Specs & Alerts teams — processed 500+ daily purchase requests; 26% decrease in same-day backlogs.

03 INDEPENDENT PROJECTS

Self-hosted service stack · Docker Compose

Reverse proxy (Caddy), Git hosting (Forgejo), uptime monitoring, encrypted offsite backups (restic → Cloudflare R2), Vaultwarden — on dedicated hardware.

Secure multi-machine architecture · Tailscale · SSH

Mesh VPN with strict role separation across machines; remote development via SSH, VS Code Remote, and code-server.

04 EDUCATION

BS Information Technology · Mapúa University Makati

2017-21

Major in Systems Administration · Cisco Networking Fundamentals certification coursework.

05 CAPABILITIES

AI / LLM INTEGRATION

Multi-model pipeline design (extraction → validation → QC), prompt engineering & spec design, orchestration for automated workflows.

SYSTEMS & INFRASTRUCTURE

Docker & Linux administration, self-hosted infrastructure, networking (Tailscale, VPN, DNS), mesh & remote access architecture.

SOFTWARE DEVELOPMENT

Full-stack development, system architecture & spec design, Git / version control, foundations-first engineering practice.

PRODUCT & DESIGN

End-to-end ownership from spec to deployment, competitive differentiation strategy, deterministic-vs-AI system boundaries.