

Mladen Gertner

Senior Creative Technologist | GPT UX Architect | AI Systems Designer

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Professional Summary

Senior Creative Technologist and AI Systems Designer building digital ecosystems that interpret, adapt, and respond intelligently. My journey began with hardware diagnostics, BIOS reprogramming, and OCR/XML workflows — disciplines rooted in precision — which I now apply to software development focused on GPT logic, conversational UX, and semantic orchestration. I specialize in systems that behave more like collaborators than tools, processing complex inputs, understanding context, and eliminating friction across workflows.

Core Skills

AI Systems Design

- GPT UX Architecture
- Prompt Engineering
- Conversational UX
- Semantic Orchestration
- Cognitive System Design

Development

- Vue.js
- Tailwind CSS
- FastAPI
- Firebase
- JavaScript

Specialized Knowledge

- OCR/XML Workflows
- Microservice Architecture
- Semantic Interface Design
- Document Classification
- API Integration

Work Style

- Asynchronous environments
- Remote-first cultures
- Cross-functional teams
- Clean collaboration tools
- Semantic clarity

Featured Projects

SlavkoKernel™

Revolutionary AI orchestration platform with real-time evaluation, multi-AI coordination, and industry-specific implementations across healthcare, finance, and manufacturing.

- Comprehensive AI agent evaluation system with real SHA-256 hash chaining
- UUIDv4 generation and ISO 8601 timestamp logging for complete audit trails
- Strict JSON structure implementation for enterprise compliance
- Achieved 40% cost reduction in AI operations and 60% performance improvement

informer.hr

AI-driven legal education platform with natural language interpretation of Croatian legislation.

- Developed AI-powered legal explainer for complex regulations
- Implemented semantic search for legal documents
- Created user-friendly interface for non-legal professionals

AccountingBot

Finance automation platform using GPT logic, OCR ingestion, and XML synthesis.

- Reduced manual effort by 60% through intelligent automation
- Implemented dynamic reporting capabilities for financial analysis
- Created XML mapping for structured accounting flows
- Built OCR ingestion and auto-classification of financial documents
- Tech stack: FastAPI, Vue.js, Tailwind, GPT-4, OCR, XML, Firebase

Education

Bachelor's in Computer Engineering

University of Zagreb – Faculty of Electrical Engineering and Computing

Grade: 4.7/5