

Alexandra Nac.

I build AI systems people can trust.

I'm Alexandra, a senior full-stack developer working in applied AI. I build with AI, and I build AI into products: retrieval systems and assistants that sit inside workflows people already use, owned end to end from the data model to the interface. I care most about the parts a lot of people skip.

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Right answer in the top three

30/30

Answers with the AI switched off

10.5s → 1.8s

Heaviest assistant data loads

169

Automated tests on Alex OS

EXPERIENCE

Senior full-stack developer — applied AI and web platforms

Mar 2018 – present

IWConnect · Skopje, North Macedonia

One company since 2018, and the work moved with the stack. Web platforms and email infrastructure first; applied AI now: workflow assistants built as prototypes with a human sign-off, recommendation systems, and the evaluation that tells you whether either actually works.

- Email helpdesk responder (prototype) — triages incoming support mail and drafts replies for human approval
- Insurance policy renewal assistant (prototype) — AI-assisted handling of the renewal workflow with sign-off kept where the risk is
- Product recommendation engine and an SDK for measuring recommendation quality repeatably (both prototypes)
- AI-assisted delivery — written scope, model-drafted implementation, line-by-line review, tests and evaluation as the gate
- Email infrastructure end to end — MJML templates, SMTP delivery, Litmus sandbox validation, cross-client preview tooling
- WordPress platform engineering — themes, plugins, custom post types, Elementor builds for production sites
- Design-token → WordPress HTML generator, the first version of what became Theme DNA

SYSTEMS I'VE BUILT

Alex OS

2026

A FastAPI reasoning and retrieval layer that sits between the CMS and the public site — grounded answers, journey-aware recommendations, and a relationship-graph reasoning pass, not an open-ended chatbot.

One caching pass took Alex OS's heaviest data loads from 10.5s to 1.8s.

alexandranace.com/projects/alex-os-project

SKILLS

ARCHITECTURE & PRACTICE

Claude-Assisted Development

Dynamic Content Modeling

CMS Architecture

Workflow Automation

Code Quality

Documentation

System Architecture

FRONTEND & INTERFACE

Next.js

CSS

HTML

UI/UX Architecture

React

Tailwind CSS

AI SYSTEMS & RETRIEVAL

RAG

Prompt Engineering

Anthropic Claude API

OpenAI APIs

LANGUAGES

TypeScript

JavaScript

Python

BACKEND & DATA

Metadata Modeling

FastAPI

MySQL

Node.js

REST APIs

SQL Schema Migrations

PLATFORM BACKGROUND

WordPress

Custom Post Types

Elementor

Alex CMS

2026

A Next.js CMS with a fully dynamic content-type registry — no hardcoded post models — plus a journey-based homepage, an orchestrator workflow, and per-item content scoring.

alexandranace.com/projects/alex-cms-project

Theme DNA Design System

2026

A database-driven design token system ("Theme DNA") that every public template consumes — change the brand once, and 23 templates restyle themselves. No hardcoded colors anywhere.

alexandranace.com/projects/theme-dna-design-system

INFRASTRUCTURE & DELIVERY

CloudPanel

Git

GitHub

VPS Deployment

TEACHING & MENTORING

Hackathon mentor, AI Tech Summit 2026

Sept 2026

One of nine mentors at the AI Student Hackathon at AI Tech Summit 2026. I co-mentored four of the sixteen student teams through a five-day build, and two of them placed second and third.

Two of the four teams I mentored placed second and third, out of sixteen.

WORKSHOPS I RUN

- 01 AI writes code. You still own the failure
- 02 From 22 AI buttons to one useful decision
- 03 Building an AI system you can actually measure
- 04 RAG that knows when to shut up