

NATHAN ASIF

PROFESSIONAL FULL STACK & AI ENGINEER

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PROFESSIONAL SUMMARY

Professional Full Stack & AI Engineer with 5+ years of experience architecting and delivering production-grade web platforms, AI systems, voice and messaging agents, custom CMS and commerce solutions, and business automation. Strong across Next.js/React, Node.js, Python/FastAPI, PHP, Java, databases, and cloud integrations. Experienced in multi-LLM orchestration using Gemini, OpenAI and Together AI, as well as RAG, agentic workflows, voice cloning, STT/TTS, computer vision and vector search. Currently building end-to-end products at CreativeRays while developing open-source and hackathon projects focused on trustworthy, multimodal and agentic AI.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, PHP, Java, SQL

Frontend Engineering: Next.js, React.js, Tailwind CSS, Framer Motion, JavaFX

Backend Engineering: FastAPI, Flask, Django, Node.js, Express.js, Laravel, CodeIgniter, REST APIs, WebSockets

AI & Intelligent Systems: Custom AI systems, LLM orchestration, RAG, LangChain, LangGraph, agentic workflows, LLM fine-tuning, structured outputs, computer vision, STT/TTS, voice cloning, OpenAI, Gemini, Together AI

Data & Vector Systems: MySQL, PostgreSQL, MongoDB, Supabase, Firebase Firestore, FAISS, vector databases

Platforms & Tooling: Custom WordPress plugin/theme engineering, WooCommerce, Redis, Celery, Docker, Git/GitHub, Postman, Vercel, Cloudflare

PROFESSIONAL EXPERIENCE

PROFESSIONAL FULL STACK & AI ENGINEER | CreativeRays

Oct 2022 – Present

- Lead architecture and end-to-end development of full-stack and AI products using Next.js, React, Node.js, FastAPI, PHP, MySQL/PostgreSQL and third-party APIs.
- Engineer multi-tenant and multi-LLM systems using Gemini, OpenAI, Together AI, RAG, structured outputs, background jobs and workflow automation.
- Build custom CMS and commerce systems, including advanced WordPress/WooCommerce plugins, themes, headless integrations, dashboards and operational tooling.
- Own delivery from requirements and system architecture through implementation, testing, deployment and iterative improvement.
- Contribute as a primary developer across OrcubeAI, Demenagement, Apotek, QuoteMe and the Figma-Contentful plugin initiative.

JUNIOR WEB DEVELOPER (INTERN) | Smart Solutions

Aug 2021 – Oct 2022

- Optimized responsive frontend interfaces across deployed web projects and improved usability on desktop and mobile devices.
- Assisted with backend troubleshooting, database work and performance improvements across client websites and internal tools.

EDUCATION

Bachelor of Science in Software Engineering | Sir Syed University of Engineering & Technology (SSUET) | 2024 – 2028

FSC Pre-Medical | ZUEB Intermediate | Completed 2024

PROFESSIONAL PROJECTS — CREATIVERAYS

ORCUBEAI | Corporate Multi-LLM AI SaaS Platform

Role: Lead AI Engineer & Full Stack Developer • **Tech:** Next.js, FastAPI, PHP, MySQL, LangChain, Gemini, OpenAI, Together AI, RAG

- Architected and customized a B2B AI platform enabling organizations to deploy domain-specific assistants trained on product and business data.
- Implemented multi-provider LLM orchestration, retrieval-augmented generation, training-data workflows and embeddable client experiences.

DEMENAGEMENT | Relocation & Logistics Platform

Role: Lead Developer • **Tech:** V1: WordPress, PHP, JavaScript, MySQL | V2: Next.js, Node.js, Prisma • **Project link**

- Built a custom relocation platform covering inventory capture, multi-step customer journeys, automated quote calculation and operational workflows.

- Led modernization from a custom WordPress plugin into a Next.js and Node.js architecture with APIs, administration modules and structured data flows.

APOTEK | Pharmacy & Commerce Platform

Role: Full Stack Developer • **Tech:** Node.js, React/Next.js, WordPress, WooCommerce, PHP • [Project link](#)

- Engineered a custom pharmacy and e-commerce platform using headless/hybrid architecture, advanced plugin and theme development, and tailored commerce workflows.
- Improved performance, maintainability and security while supporting business-specific pharmacy operations and integrations.

QUOTEME | Quotation & Vendor Workflow Platform

Role: Full Stack Developer • **Tech:** Next.js, React, Node.js, APIs, relational databases

- Developed a quotation-request and vendor workflow platform with dynamic forms, dashboards, role-aware processes and backend integrations.
- Built reusable frontend modules and API-driven workflows supporting customer requests, vendor responses and operational management.

FIGMA-CONTENTFUL PLUGIN | Design-to-CMS Workflow Integration

Role: Plugin Developer • **Tech:** TypeScript, JavaScript, Figma Plugin API, Contentful

- Developed a custom plugin and integration workflow connecting design assets with structured CMS content.
- Focused on reducing manual handoff work and improving consistency between design and content operations.

INDEPENDENT, OPEN-SOURCE & HACKATHON PROJECTS

CLONE AI | Commercial Voice Cloning & TTS Service

Role: Full Stack AI Developer • **Tech:** Python, FastAPI, PHP, WordPress, MySQL, MeloTTS, OpenVoice V2 • [Project link](#)

- Developed a voice-cloning and text-to-speech service capable of high-fidelity audio synthesis.
- Engineered a custom WordPress integration communicating with a Python/FastAPI microservice for model inference and audio delivery.

PHONEX ENGINE (V1 & V2) | Open-Source Voice AI Engine

Role: Creator & Maintainer • **Tech:** Python, FastAPI, MeloTTS, OpenVoice V2, Modal GPU, FFmpeg • [Project link](#)

- Built an open-source multilingual TTS and voice-cloning microservice with voice registration, pitch control, asynchronous long-form generation and documented REST endpoints.
- Designed local CPU and serverless GPU execution modes to support development and higher-performance production workloads.

AEGISMEDIX | Autonomous Multimodal Medical Sentinel

Role: Independent Developer & AI Sentinel Architect • **Tech:** Next.js, FastAPI, Supabase/PostgreSQL, WebSockets, Gemini multimodal • [Project link](#)

- Created a proactive medical companion combining live voice/video consultation, medication management, recovery monitoring and vital-sign analysis.
- Built a FastAPI backend and real-time Next.js interface around multimodal AI workflows for the Google Gemini API Developer Competition.

JANUSSTATE | Independent Outcome Verification for AI Agents

Role: Creator • **Tech:** Next.js 16, React 19, TypeScript, Zod, Gemini, Prisma/PostgreSQL-ready, Vitest, Playwright • [Project link](#)

- Built an independent verification layer that checks AI-agent completion claims against read-only business-system evidence.
- Implemented deterministic contract assertions, VERIFIED/PARTIAL/FAILED/UNCERTAIN verdicts, provenance tracking and SHA-256 integrity receipts for OpenAI Builder Week 2026.

INTERVIEWXPRT | AI-Powered Interview Simulator

Role: Creator • **Tech:** Full-stack AI system

- Designed an interview-simulation platform with adaptive questioning, candidate-response evaluation and structured feedback.
- Focused on realistic interview practice, answer quality analysis and repeatable performance improvement.

INTRUVIATE | AI-Powered Desktop Interview Simulator

Role: Lead Developer • **Tech:** Java, JavaFX, Python, Flask, OpenAI/LangChain, OpenCV/MediaPipe • [Project link](#)

- Built a desktop AI interviewer integrating intelligent questioning, answer evaluation and REST-based Python services.
- Developed camera-based eye-gaze and behavioral monitoring workflows to support interview simulation and analysis.

CREDORA | Agentic Chief Financial Officer

Role: Creator • **Tech:** Agentic AI, financial workflow automation

- Developed an agentic CFO concept for financial analysis, planning, operational reasoning and decision support.
- Designed the system around tool-using agents and structured finance workflows rather than a single prompt-based assistant.

DAANTSHAANT | Agentic Dental Assistant

Role: Creator • **Tech:** Agentic AI, healthcare workflow automation

- Designed an agentic dental assistant concept for patient intake, workflow support and guided dental-care interactions.
- Explored multi-agent coordination for domain-specific healthcare assistance and operational automation.

CUSTOM WEB SCRAPER | Open-Source Automation Tool

Role: Developer • **Tech:** Python, BeautifulSoup, Selenium • [Project link](#)

- Created a reusable Python scraping utility for automated extraction from complex web structures.

PUBLIC REPOSITORIES

[AegisMedix](#) • [JanusState](#) • [Phonex Engine](#) • [Intruviat](#) • [Custom Web Scraper](#)

ADDITIONAL INFORMATION

- Open to full-stack, AI engineering, intelligent automation and platform-development opportunities.
- Portfolio and additional project case studies are available on request.