

JOSEPH TWUMASI

Frontend & Full-Stack Developer • AI/LLM • SEO & Digital Marketing

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SUMMARY

Frontend and full-stack engineer with 15+ years building revenue-generating web products for businesses in the US, UK, and beyond. Founder of CodeLABGH, where I've shipped 50+ client sites and now build and operate my own AI-integrated products: a cross-platform desktop app connecting 8 LLM and image providers, and a Next.js/Flask/PostgreSQL lead-generation SaaS with a programmatic SEO content engine. I combine modern front-end engineering (React, Next.js, TypeScript, Tailwind) with hands-on LLM integration and technical SEO to build sites and tools that are found, used, and convert. Based in Accra (UTC+0), available for remote work with strong overlap across European and US hours.

CORE SKILLS

Frontend	React, Next.js, TypeScript, JavaScript (ES6+/jQuery), HTML5, CSS3, Tailwind CSS, Bootstrap, responsive & mobile-first design
Backend & Data	Python, FastAPI, Flask, Node.js, PHP, PostgreSQL, MySQL, SQLite, REST APIs
AI / LLM Integration	OpenAI, Anthropic Claude, Google Gemini, xAI Grok, OpenRouter, Ollama (local inference), prompt engineering, RAG & multi-model content-generation pipelines
Automation	Python scraping & automation (Playwright, BeautifulSoup, Google Maps API), APScheduler, lead-enrichment pipelines
SEO & Marketing	Technical & on-page SEO, programmatic/local SEO at scale, keyword & topical-relevance research, content strategy, lead generation, cold outreach systems
CMS & Platforms	WordPress (custom theme & plugin development), Oxygen Builder, Electron (cross-platform desktop apps)
Infrastructure	Git/GitHub, Cloudflare (Workers, R2, D1), self-hosted VPS deployment, CI/CD basics

EXPERIENCE

Founder & Full-Stack Developer — CodeLABGH, Accra, Ghana (Remote)

2009 – Present

Own products & ventures

- Built and shipped **AI Playground**, a cross-platform Electron/Next.js AI desktop app supporting 8 providers (OpenAI, Anthropic, Gemini, xAI, OpenRouter, Runware, Cloudflare Workers AI, Ollama), including provider-adapter debugging, local SQLite storage, and a full auto-update pipeline distributed via Cloudflare R2.
- Founded and built **LeadForge**, my own lead-generation SaaS (Next.js, Flask/FastAPI, PostgreSQL) with an AI content-generation engine that routes tasks across multiple LLMs (local and hosted) by task type, plus a

topical-relevance and internal-linking system for SEO content at scale.

- Own and operate a **rank-and-rent local-SEO business** with a portfolio of demo sites across home-service niches (landscaping, plumbing, pest control, HVAC), including a TF-IDF/co-occurrence content-relevance pipeline, automated multi-step email/DM follow-up sequencing, and lead-enrichment pipelines (phone/email/social matching).

Client work

- Delivered 50+ client websites for startups, NGOs, and SMEs globally, with a focus on lead generation and mobile-first UX, maintaining a 5-star client satisfaction rate across Upwork, Elance, and PeoplePerHour.
- Grew from front-end builds (HTML5, CSS3, Bootstrap, jQuery) to full-service delivery: custom WordPress builds, e-commerce, and SEO strategy, using on-page optimization and keyword targeting to grow organic visibility and lead volume.
- Converted PSD designs into pixel-accurate, fully responsive HTML5/CSS3 builds (LTR and RTL), including e-commerce and brand sites.
- Managed the full client lifecycle (discovery calls, brand workshops, scoping, and delivery), translating business goals into shipped digital products.

Senior Web Designer — ADS Media Agency, Accra, Ghana

2006 – 2009

- Led front-end production for client web projects using HTML, CSS, and jQuery, from concept through launch.
- Mentored junior developers and designers and drove project planning and stakeholder communication.

SELECTED PROJECTS

- **AI Playground** — cross-platform desktop AI client (Electron + Next.js), 8 providers, auto-update, usage analytics. aiplayground.codelabgh.com
- **LeadForge (own product)** — lead-gen SaaS (Next.js, Flask/FastAPI, PostgreSQL) with AI content generation, SEO tooling, and multi-channel outreach automation.
- **Stack Online Tools** — free web-utility toolbox (100+ tools) for text, code, and SEO tasks. stackonlinetools.com

EDUCATION

- Advanced Diploma in Graphics & Web Designing — IPMC College of Technology, Accra (2005 – 2007)
- Visual Arts — Kinbu Secondary Technical School, Accra (2001 – 2004)

LANGUAGES

English (fluent)

REFERENCES

Available on request.