

BLAISE SONZIE MENNIA

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SUMMARY

Senior software engineer, 7+ years shipping production systems across the full stack: TypeScript/React/Next.js frontends, Python/FastAPI and Node.js backends, PostgreSQL data layers, and the cloud infrastructure underneath. AI-native by practice, not adoption: uses Claude Code and agentic AI tooling daily to multiply engineering velocity without compromising quality, leads an AI integration team, and builds production AI agents and LLM systems. Owns important systems from concept through production, including the server infrastructure and CI/CD behind 50+ live projects. Strong architecture judgment, high autonomy, and a track record of high-quality technical work that is live and verifiable.

CORE SKILLS

Frontend: TypeScript, React, Next.js (App Router), Tailwind CSS, responsive production UI

Backend: Python (FastAPI), Node.js, Laravel; REST API design, async processing, background jobs, webhook-driven and event-driven services, authentication and authorization

AI Engineering: production AI agents (tool calling, multi-step reasoning, agent memory and state), LLM integration (Anthropic, OpenAI, Gemini), RAG pipelines, embeddings and vector search (pgvector, FAISS), prompt/context design, LLM-agnostic provider abstraction

AI Tooling & Velocity: Claude Code and Antigravity daily for coding, debugging, and review; agentic development workflows; drives AI-assisted engineering adoption across teams

Data: PostgreSQL, SQL, ORMs (Prisma), schema design, data migrations, query optimisation; MongoDB, Redis

Infrastructure & Quality: Docker, GitHub Actions CI/CD, Linux, Nginx, AWS (EC2, S3), VPS provisioning and hardening, production monitoring; pytest and mocked-dependency test suites, regression testing, code review

Product & Leadership: architecture decisions, technical direction, mentoring engineers, engineering standards, founder-level product intuition

PROFESSIONAL EXPERIENCE

Senior Software Engineer & AI Technical Lead | Interactive Digital, Accra 2021 – Present

- Design, build, and ship production systems across the stack: TypeScript/Next.js frontends, Python/FastAPI and Laravel backends, PostgreSQL data layers, and the deployment infrastructure underneath, owning systems from concept through production.
- Lead the AI integration team: ship LLM-powered features into client and internal products, set the bar for what counts as production-ready AI, and drive adoption of AI-assisted development (Claude Code, agentic tooling) across engineering to raise velocity without compromising quality.
- Built the company's server infrastructure from the ground up and own it end-to-end: provisioning, hardening, deployment processes, and CI/CD pipelines (GitHub Actions push-to-deploy) for 50+ hosted production projects.
- Architected and built Sway, an influencer-marketing platform with complex multi-role workflows: campaign lifecycle state machines, contracts, staged approvals, Paystack/Stripe payment and payout reconciliation, and an integrated RAG assistant (FastAPI + pgvector).
- Make architecture decisions in ambiguous, fast-moving client environments; mentor engineers through code reviews, technical guidance, and internal AI training (two-part curriculum for non-technical teams).
- Improve engineering standards continuously: caught and fixed a critical CI/CD migration-tracking gap before it corrupted production data, and standardised reusable patterns (provider abstraction, idempotent webhooks) across projects.

Founder & Lead Engineer | Artfrica Studio, Accra 2021 – Present

- Run an independent studio shipping production web applications and AI-integrated products, owning architecture, delivery, deployment, and post-launch support end-to-end.

Software Developer | TDI-Global 2020

- Built backend APIs and workflow logic for enterprise systems (Laravel, MySQL); supported production deployment, debugging, and testing.

Backend Engineer | Social Security and National Insurance Trust (SSNIT), Accra 2018 – 2020

- Built and maintained backend systems for a national institution, delivering stability, correctness, and long-term maintainability at scale.

SELECTED PROJECTS (ALL LIVE OR DEPLOYED)

Sway: Influencer-Marketing Platform with Integrated AI | TypeScript, Next.js, FastAPI, PostgreSQL/pgvector, Paystack/Stripe sway.interactivedigital.com.gh

- Architected and built a live multi-role platform spanning the full stack: campaign lifecycle state machines, contracts, staged approval workflows, and Paystack/Stripe payment and payout reconciliation with idempotent, webhook-driven processing.
- Built the platform's integrated AI assistant: a RAG chatbot (FastAPI + pgvector in the primary Postgres) with an admin-managed knowledge base, helping creators navigate campaigns and contracts in production.

Somavi: Multi-Tenant School Management SaaS | FastAPI, React, PostgreSQL, Paystack somavi.artfricastudio.com

- Founding architect: multi-tenant architecture with tenant isolation, subscription billing, idempotent webhook-driven payments, role-based access, and AI-assisted communication drafting embedded in core workflows. Full-stack product built solo from concept to live.

Jobotron: Autonomous Scraping & Publishing Pipeline | Python, MongoDB, LLM APIs, X API github.com/i-Blaise/Jobotron

- Fully autonomous pipeline: scrapes, validates, deduplicates, and publishes job listings to X on a schedule with zero manual intervention; AI-assisted decisions bounded by deterministic validation, with retry, failure recovery, and monitoring built in.

BriefChat: AI Chrome Extension (Published) | JavaScript, TypeScript, LLM APIs
chromewebstore.google.com/detail/jneiboplfffcnhloaadjdacaddbnjnim

- Independently built, shipped, and maintain a published AI reading companion extension: LLM integration, prompt/context design, Chrome Web Store review, and post-launch maintenance owned end-to-end.

EDUCATION & CERTIFICATIONS

BSc Computer Science, Coventry University

Diploma in Computer Science, Staffordshire University

Oracle Certified Associate (OCA), Database Administration

GIMPA, Data Management and Analysis

ADDITIONAL INFORMATION

- Based in Accra, Ghana; available to start immediately.
- AI-native daily workflow (Claude Code, Antigravity, agentic tooling); strong conviction that AI tooling multiplies velocity only when paired with engineering discipline.
- Founder-level product intuition from building and running Artfrica Studio and shipping own products end to end.
- Comfortable with intensity, ambiguity, and high standards; evidence of work is live and verifiable at the links above.