

TEMI SHOKUNBI

AI Product Engineer

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SUMMARY

AI product engineer who ships end to end — voice interfaces, agentic LLM systems, and the multi-tenant data platforms underneath them. Computer Programming diploma at Georgian College, graduating December 2026 and available to start January 2027.

SELECTED WORK

Iron Protocol Voice-first multi-tenant SaaS platform

Next.js · TypeScript · PostgreSQL · Railway

- A wake word model transfer-learned on my own voice in the browser (TensorFlow.js, cached in IndexedDB) opens a session; Deepgram Nova-3 streams transcription and ElevenLabs speaks the reply — **[XXX] ms** wake word to first audio.
- Silero VAD listens while the assistant is still talking: on detected speech it ducks output through a GainNode, confirms the sound is a person rather than ambient noise, then tears down playback and listens. The hardest part of the build.
- 70-tool agentic LLM loop over a 58-model PostgreSQL schema spanning habits, tasks, finance, nutrition, training and ventures, with scheduled jobs and Google Calendar / Gmail OAuth.
- Re-architected single- to multi-tenant for a paying advisory client: route-level module authorization and per-tenant tool filtering that fails closed on unmapped capabilities. One codebase, two structurally different products in production.
- Won that client as a website engagement first, then expanded the account into the platform work that forced the re-architecture.

AutoHack 2.0 Hackathon — 2nd Place Georgian College × Honda of Canada Mfg. × Ontario Vehicle Innovation Network

- Team Ctrl Alt Elite. Built Honda Equipment Monitor: Arduino temperature and vibration sensors streaming into PostgreSQL every second, building a continuous timestamped record of machine health.
- A gradient-boosted classifier over a rolling window of readings flags anomalies; a Groq-hosted model then runs a structured 5-Why analysis using live sensor values as evidence. Most monitoring tells you what broke — this reconstructs why.
- Estimates time-to-failure, logs the diagnosed cause and corrective action, and surfaces both on a Flask dashboard before downtime hits. **2nd of all teams**; top 6 selected to present to industry judges.

EXPERIENCE

Founder & Web Developer Shokunbi Web Studios

Sep 2022 – Present

- Two e-commerce platforms generating **\$450K+ in first-year client revenue**: Taste of Lagos (\$350K) and KiloKosi (\$100K).
- Taste of Lagos — full restaurant platform on Next.js 15 and Prisma: online ordering, ticketed events, grocery shop and loyalty rewards. The menu syncs from the Clover POS register every 60 seconds, so the site never sells a dish the kitchen has dropped.
- KiloKosi — Shopify build with multi-region pricing through Shopify Markets, wishlist, live chat and instant checkout.
- Third client, Shoks Capital, became the Iron Protocol tenant above. Own the full lifecycle solo: requirements, architecture, payments, auth, deployment and optimization.

Venture Development Co-op Henry Bernick Entrepreneurship Centre

Apr – Jul 2026

- Founded FounderResearch, a 1-to-1 research consultation service for early-stage founders; ran customer discovery interviews and rebuilt the value proposition around what founders said they would actually pay for.
- Prototyped the research workflow as a full-stack application; delivered a business plan and pitched at the final showcase.
- Completed the Further Faster Business Accelerator; awarded Recognition of Entrepreneurial Achievement.

Resident Advisor & Residence Services Rep Campus Living Centres, Georgian College

Sep 2025 – Present

- Peer support, conflict mediation and emergency response coordination for a residence community of 500+ students; front-desk and guest services through summer conference operations.

EDUCATION

TECHNICAL SKILLS & CERTIFICATIONS

AI & ML Agentic LLM tool-calling, RAG, prompt design, speech-to-text and TTS (Deepgram, ElevenLabs), TensorFlow.js, scikit-learn

Languages TypeScript, JavaScript, Python, C#, Java, PHP, SQL, Bash

Web React, Next.js, Node.js, Astro, Prisma, ASP.NET Core, Flask, REST APIs

Data PostgreSQL, MySQL, MS SQL Server, ClickHouse, SQLite

Cloud AWS, Azure, Docker, GitHub Actions, Railway, Vercel, Linux

Certifications AWS Solutions Architect – Associate (in progress) · CCNA: Introduction to Networks · IoT & Digital Transformation

OTHER PROJECTS

Spotify Statistics Platform Data engineering / full-stack system C# · ClickHouse · MS SQL Server · Railway

- ETL pipeline extracting the Spotify API, enriching through MusicBrainz, and loading listening data into ClickHouse and MS SQL Server for analysis. Built in a team of three; selected as a RISE Innov8 submission.

NASA Space Explorer Web application JavaScript · NASA APOD & Image APIs

- Browses the Astronomy Picture of the Day back to 1995 and searches 140,000+ images from the NASA Image Library across two live APIs.

GitHub Auto Sort Open-source CLI tool Python · GitHub API

- Organizes local project folders into GitHub repositories through the API, with dry-run preview, recursive traversal and non-interactive batch modes.