

GOLD C. SAMUEL

Product Designer | Product Engineer

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PROFESSIONAL SUMMARY

Product Designer and Product Engineer with experience taking products from problem discovery to deployment across HealthTech, EdTech, FaithTech, and FinTech. I combine product strategy, user research, interaction design, and modern frontend engineering to build digital products that solve real user problems.

My work spans the entire product lifecycle, from identifying opportunities and defining MVPs to creating design systems, building production-ready applications, and documenting scalable product decisions. I enjoy simplifying complex workflows and turning ideas into products people can use.

CORE COMPETENCIES

Product Strategy: Product Thinking • Product Discovery • MVP Strategy • Feature Prioritization • User-Centered Design

UX & UI: UX Research • Information Architecture • User Flows • Wireframing • UI Design • Interaction Design • Design Systems • Prototyping • Responsive Design • Accessibility • Usability Testing

Engineering: Design Engineering • Frontend Development • Next.js • React • TypeScript • Firebase • API Integration

AI Workflows: Prompt Engineering • AI-assisted Product Development • Design-to-Code • Vibe Coding

Collaboration: Cross-functional Collaboration • Agile Development • Product Documentation • Stakeholder Communication

PRODUCT EXPERIENCE

Product Designer & Product Engineer

StudyEezy - Founder-led Product | Responsive Web Application

2026

- Identified an opportunity to improve how students prepare for examinations by reducing the manual effort involved in summarizing notes, creating flashcards, and generating practice questions.
- Did the complete product lifecycle, including product strategy, UX research, information architecture, interaction design, visual design, frontend implementation, and deployment.
- Designed an AI-powered collaborative learning platform featuring summaries, flashcards, quizzes, study rooms, AI reviews, voice input, and offline learning.
- Established a scalable design system and documented the product through detailed PRDs, architecture documents, design specifications, and case studies.
- Built a production-ready application using modern frontend technologies and AI integrations.

Tech: Next.js • TypeScript • Tailwind CSS • Firebase • DeepSeek API • Google Vision API

Product Design Team Lead

MedQuire - Bootcamp Capstone Project | Mobile Application

2026

- Led a multidisciplinary team in designing and delivering an AI-powered mobile application that simplifies medication information for everyday users.
- Directed product discovery through user interviews, competitor analysis, FDA research, and observational studies to validate the product opportunity.
- Defined the MVP scope and prioritized features including medication translation, ELI12 explanations, drug interaction checking, AI support, medication history, and exportable summary cards.
- Introduced the ELI12 feature to make complex medication explanations understandable for users with varying levels of health literacy.
- Worked closely with the engineering team on prompt engineering, usability testing, frontend implementation, and product validation.

Tech: React Native • Expo • Supabase • DeepSeek API • OpenFDA API

Product Designer & Frontend Developer

ScriptureCast - Collaborative Product | Responsive Web Application & Desktop Application

2026

- Helped transform a recurring challenge experienced during church services into a real-time scripture recognition platform.
- Designed intuitive operator workflows that enable scripture detection and projection without disrupting the flow of worship.
- Built responsive frontend interfaces and contributed to prompt engineering for accurate scripture recognition and semantic verse matching.
- Collaborated throughout design, testing, and deployment while helping optimize real-time transcription and low-latency scripture projection.

Tech: Python • Vanilla HTML • Javascript • Tauri • AI Speech Recognition • Prompt Engineering

Product Designer & Product Engineer

SpendWise - Founder-led Product | Responsive Web Application

2026

- Identified a common behavioural challenge around expense awareness and transformed it into a lightweight personal finance product.
- Conducted observational research to understand why users struggle to consistently track daily expenses.
- Designed a dashboard-first experience centered on simplicity, minimal navigation, and habit formation rather than feature complexity.
- Built budgeting, analytics, transaction management, and spending reminder features that encourage long-term financial awareness.
- Documented the complete product strategy, design process, and engineering decisions from concept through deployment.

Tech: Next.js • TypeScript • Tailwind CSS • Firebase • Chart.js

EDUCATION

Federal University of Technology, Owerri

Bachelor of Technology (B.Tech.), Biochemistry

CERTIFICATIONS

- Product Design & Product Engineering Bootcamp
- Product Design
- ALX AI Starter Kit

Dev & Design HQ
Axia Africa
ALX Africa

TECHNICAL SKILLS

Design: Figma • FigJam • Framer • Digital Illustration

Frontend: Next.js • React • TypeScript • JavaScript • Tailwind CSS • HTML • CSS

Backend & Database: Firebase • Firestore • Firebase Authentication • Firebase Storage • REST APIs

AI: ChatGPT • Claude • Gemini • DeepSeek • Prompt Engineering • AI-assisted Development

Tools: Git • GitHub • Vercel • Antigravity