

SARAH STANLEY NZESHI

Full-Stack Engineer · AI Systems · Cloud Infrastructure

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PROFESSIONAL SUMMARY

Full-Stack Engineer with 2+ years building production web applications, AI-powered tools, and cloud-hosted systems. Experienced across the full development lifecycle: from designing databases and APIs to building user interfaces and automating deployments. Track record of cutting load times, eliminating security vulnerabilities, and shipping reliable software used by real organizations.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python

Frontend: React, Next.js, Angular, Redux Toolkit, Tailwind CSS

Backend: Node.js, NestJS, Express.js, REST APIs, GraphQL

AI / Data: LangChain, Retrieval-Augmented Generation (RAG), Vector Search, Google Gemini

Databases: MongoDB (with Atlas Vector Search), PostgreSQL, Redis, Prisma ORM

Cloud & DevOps: AWS (ECS, CodePipeline, Lambda), Docker, Kubernetes, GitHub Actions, CI/CD

Auth & Security: NextAuth, JWT, OAuth 2.0, Role-Based Access Control, Multi-Tenant Architecture

Testing & Tools: Jest, React Testing Library, Postman, Swagger/OpenAPI, RabbitMQ

WORK EXPERIENCE

Full-Stack Developer · THE OH-RES (Part-time)

Jan 2026 – Mar 2026

- Built and deployed a full ERP system from scratch; 8 connected backend services plus a web interface now actively used by 7+ separate client organizations, each with fully isolated data.
- Designed the multi-tenant security model so that no organization could access another's data; the system passed an independent penetration test with zero vulnerabilities found.
- Hosted the entire system on AWS with containerized services communicating via message queues, achieving 99.999% uptime and response times under 200ms between services.
- Automated the deployment process using AWS CodePipeline and GitHub Actions, cutting release time from 45 minutes to 8 minutes and enabling updates with zero downtime.
- Architected the messaging layer handling 50,000+ daily events with guaranteed delivery, so no business action was ever lost even during peak load.

Backend Developer · Geeks-Challenge (Contract)

Aug 2025 – Jan 2026

- Built the backend for a gaming platform using Express.js and Firebase: added Redis caching on top of database queries, reducing API response times by 40% and noticeably improving player experience.
- Rewrote the existing codebase following clean-code principles, cutting code complexity by 35% and raising the maintainability score from 42 to 78 out of 100 making the system significantly easier for any developer to extend.

Full-Stack Developer · 94CodeHub (Contract)

Jul 2025 – Oct 2025

- Delivered a complete school management system for 3 schools (500+ students) that automated attendance tracking, grade calculations, and parent messaging; replacing manual spreadsheet processes.
- Improved page load speed by 35% through code splitting and lazy loading, raising the Google Lighthouse performance score to 92/100.
- Secured the platform with token-based login and four distinct user roles; passed a third-party security audit with zero critical vulnerabilities.
- Set up automated testing and CI/CD pipelines, shrinking deployment time from 2 hours to 15 minutes per release.

Frontend Developer · Meetro (Open-Source Contribution)

Mar 2025 – Apr 2025

- Contributed to a remote team of 3 to build a responsive event-ticketing interface in React and Tailwind CSS; created a documented component library that held up under load tests simulating 1,000+ simultaneous users with no performance degradation.

KEY PROJECTS

GbeBody AI | Next.js · LangChain · Google Gemini · MongoDB Atlas · Upstash

GitHub: <https://github.com/4ssh1/fitness-chatbot> Live: <https://chatbot-fitness.vercel.app/>

- Built a production AI fitness assistant that answers workout and nutrition questions in real time by retrieving the most relevant information from a knowledge base — rather than relying on generic model outputs.
- Improved answer accuracy by 60% by routing each query to the correct data category (food, workouts, technique) before retrieval, so the AI always draws from the right source.
- Hardened the API with rate limiting (15 requests/min per user) and automated detection of prompt-injection attacks — blocked 100% of malicious payloads during security testing.

Portora | Next.js · MongoDB · NextAuth · Cloudinary · dnd-kit

GitHub: <https://github.com/4ssh1/portora-v2> Live: <https://portora-v2.vercel.app>

- Launched a full portfolio-building platform for freelancers, offering 5 layout styles and a drag-and-drop editor: giving builders a professional online presence without needing to code it from scratch.
- Designed and built 30+ API endpoints covering portfolio creation, blog publishing, and real-time view analytics.
- Integrated GitHub and Google social login with role-based permissions, cutting user onboarding time by 70% compared to traditional email signup.

Fable Weaver | React · TypeScript · Python · SQLAlchemy · Groq LLM

GitHub: <https://github.com/4ssh1/fable-weaver> Live: <https://github.com/4ssh1/choose-your-adventure>

- Built an AI-powered 'choose your own adventure' game that generates a full branching story tree upfront (not one step at a time), ensuring consistent narratives and instant page transitions for players.
- Designed the data pipeline to flatten deeply nested story trees into a queryable database structure, enabling the frontend to navigate thousands of story nodes with zero extra API calls after initial load.

EDUCATION

B.Eng, Mechanical Engineering

University of Nigeria