

Favour Olaleru

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TOOLS

- **Programming Languages:** JavaScript, TypeScript, Python, Java
- **Frameworks:** Express.js, Node.js, Socket.io, React.js, Next.js
- **Tools:** PostgreSQL, MongoDB, GitHub Actions, Redis, Docker, Firebase, Supabase, Git, Postman

EXPERIENCE

- **Dailymanna.app** February 2026 - May 2026
Fullstack Engineer — Contract
 - **Designed and implemented** a secure, multi-platform OAuth authentication using direct ID token verification, custom rate limiting in **Express.js**, enabling seamless access for over **9,000 active users**.
 - **Integrated** robust payment processing mechanisms using **Paystack**, successfully enabling secure in-app payments and revenue generation across the platform.
 - **Engineered** a timezone-aware gamification engine with **MongoDB** to dynamically compute user streaks and reward points based on engagement, significantly improving daily active usage.
 - **Engineered** a robust cron scheduling system using Node.js and GitHub Actions to reliably automate daily AI content generation using Claude via **OpenRouter**.
 - **Maintained** detailed API documentation via Postman and Markdown, utilizing custom Node.js testing scripts to rapidly validate AI integrations and gamification logic.
- **Nextvibeco** January 2026 - February 2026
Fullstack Engineer — Contract
 - **Engineered** a real-time chat and gamification engine handling 1,000+ concurrent users with <50ms latency using **Socket.io**, **Express**, and **Redis**.
 - **Architected** an automated RSVP pipeline, eliminating 6+ hours of manual effort per event via background queues in **Redis** and **MongoDB**.
 - **Enhanced** a custom photo watermarking feature processing 10+ high-res images in <2s, utilizing **Cloudinary** and **MinIO** for asset storage.
 - **Orchestrated** backend containerization, slashing developer setup time by 40% through isolated **Docker** environments and **Husky** pre-commit hooks.
 - **Spearheaded** the transition to an investor-ready platform, reducing event configuration time by 60% by integrating **OpenAI APIs**.

PROJECTS

- **AI-Based Image-to-LaTeX System** Github
Backend
 - Built an Express.js server integrating the Google Gemini API to perform OCR, converting images of mathematical equations into LaTeX code with 95% accuracy.
 - Applied robust **error handling** to manage API failures, invalid inputs, and file processing errors.

ACHIEVEMENTS

- **3rd Place: Microsoft AI Skills Hackathon** — Built and pitched RiskGuard AI, a real-time telecom risk intelligence platform for MTN Nigeria.
- **Top 8: DSN × Bluechip LLM Agent Challenge** — Built Bukka AI, a multi-agent Nigerian restaurant recommendation system using a three-agent pipeline.
- **Top 10 of 500+: Enyata × Interswitch Buildathon** — Built and pitched CraftID, a platform converting informal artisans' payment history into verifiable credit profiles.

EDUCATION

- **University of Lagos** — BSc, Pure Mathematics *Expected Graduation: August 2026*