

# Moses Thomas

## Full-Stack Developer & Data Scientist

**Location:** Abuja/Nigeria

**Portfolio:** <https://mosesthomas.vercel.app>

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## Professional Summary

Multidisciplinary technologist with **4+ years** of hands-on experience across frontend development, backend engineering, and data science and analytics. I design and ship user-facing applications, architect resilient server-side systems, and deliver data-driven insights to inform product decisions. Comfortable working across the full stack and through the ML/data pipeline, I combine strong Python and JavaScript engineering with analytical rigor and a writer's attention to clarity. I am experienced in building modular, maintainable codebases and producing investor-grade documentation and long-form content.

## Core Competencies

- **Frontend:** Responsive UI design, component-driven development, accessibility, performance optimization and Search Engine Optimization (SEO)
- **Backend:** REST/GraphQL APIs, server architecture, authentication/authorization, background jobs, rate limiting, scalability.
- **Data Science / Analytics:** Data cleaning, exploratory analysis, feature engineering, model prototyping, dashboards and visualizations to support decisions.
- **Full-stack Integration:** API design, end-to-end product delivery, monitoring and observability, CI / cron automation.
- **Content & Communication:** Technical writing, investor materials, long-form video scripting, narrative storytelling for product and audience engagement.
- **Data Annotations:** annotate data for ML training, ground-truths, classification, data entry and labelling with robust tools.

# Technical Skillset

- **Languages & Frameworks**

Python (data tooling & backend scripts), JavaScript / TypeScript, Node.js, React / Next.js

- **Backend / Databases**

Express, Prisma (ORM), MySQL, Redis (caching & rate limiting), SQL (Workbench experience), background jobs & cron automation

- **Data & ML**

pandas, NumPy, scikit-learn (prototyping), Power BI, Excel (advanced analysis and reporting)

- **DevOps & Tooling**

Git / GitHub, Docker (familiarity), automated cron jobs for CI tasks, deployment experience with cloud hosts (experience with Render referenced)

- **Integrations & Payments**

Stripe (account setup & integration considerations), Paystack and Flutterwave.

## Professional Experience (selected / consolidated)

### Freelance — Full-Stack Developer & Data Scientist

**Independent / Contract** — Remote — *4+ years*

- Delivered frontend interfaces using React/Next.js that prioritize UX, responsiveness and SEO. Handled edge cases arising from framework upgrades and routing ([slug] issues, etc.).

- Architected backend services with Node.js and Express, implementing secure patterns (rate limiting, modular security logic separated into files to avoid spaghetti code). Implemented Redis for caching and coordination with rate-limit strategies.
- Built data pipelines and analyses in Python to support product decisions and betting/odds analysis — producing objective, data-driven recommendations.
- Integrated payments and researched Stripe account workflows for clients in restrictive jurisdictions (Nigeria), advising on alternatives and entity setup.
- Wrote cron jobs and automated GitHub push workflows for scheduled deployments and backups.

## **Project: Diengine — Product Architect & Writer (MVP blueprint)**

- Produced a 7-module full-stack blueprint, competitive benchmarking, recommended stack, and phased rollout plan. Prepared to author investor-facing documentation chapter-by-chapter.
- Created detailed prompt architecture guiding the MVP's direction and development priorities.

## **Content / Creative Projects — Writer & Video Producer**

- Creator of long-form video series *The Traveler* — planning and scripting 10 long-form videos (structured scripts with Hook, Problem, Development, Climax, CTA). First video titled: *You're Not Broken. You're Awakening: Signs You're Spiritually Evolving*.
- Ongoing novelist work: *Royalty and Rags: Two Hearts Defy Kingdoms* — multiple chapter outlines in progress (deep character and emotional development; detailed scene sketches). Skilled at emotionally immersive prose and spoken-word pieces targeted for long-form performance.
- Developed concise, persuasive narratives for investor and product audiences as well as creative storytelling for channels and scripts.

## **Teaching & Mentoring (ad hoc)**

- Delivered SQL/ database sessions — troubleshooting MySQL & SQL Workbench connectivity, authentication resets and practical labs for students. Comfortable explaining technical concepts to learners and peers.

## Selected Projects & Achievements (highlights)

- **Rate-Limiting Implementation:** Implemented express-rate-limit patterns and integrated Redis for distributed rate-limit coordination (code modularized into separate files for maintainability).
- **Next.js Migration Debugging:** Diagnosed client issues arising after framework upgrades (routing and dynamic route errors), producing digestible diagnostics for fix planning.
- **Diengine Blueprint:** Created high-level product architecture and phased rollout strategy, including prompt engineering and full-stack recommendations.
- **Long-form Content Production:** Structured and scripted a content calendar and production plan for long-form YouTube videos; skilled at segmenting scripts for engagement and retention.

## Education

- **Current:** Student (details available on request).
- Ongoing self-directed learning in full-stack development, cloud deployment patterns, and applied machine learning.

## Certifications

- **Software Developer: PLP Academy - 2024**
- **Data Scientist: CareerEx - 2024**
- **Data Analyst: Nhub - 2024**
- **Frontend developer: Solo learn - 2021**

## Professional Traits & Soft Skills

- Systems thinking: able to bridge product, data and engineering perspectives.
- Strong written & verbal communicator — technical documentation, scripts, and creative writing.
- Problem solver: methodical debugging (framework upgrades, DB connectivity), and architecting modular solutions.
- Teaching & mentorship orientation — experience explaining complex concepts to students.

## Publications, Creative Work & Samples

- Novel drafts and chapter outlines for *Royalty and Rags: Two Hearts Defy Kingdoms* (multiple chapters in progress).
- Spoken word piece (7+ minute target) — available as a sample.  
(Full writing samples, code samples, and demo projects available on request.)

## Availability & Compensation

- **Availability:** Open to freelance contracts, remote or hybrid roles, and permanent positions.
- **Compensation:** Flexible and negotiable based on scope and responsibilities; open to discuss hourly freelance rates or salary expectations for permanent roles to reach a mutually beneficial arrangement.

## References & Links

- **API / Demo Host:** <https://zyntraexams.onrender.com/>
- **GitHub / Code Samples:** (available on request)
- **Portfolio / Writing Samples:** Available upon request