

# Omijeh David Odianonsen

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## Summary

Full-stack software engineer and Computer Science student (University of Port Harcourt, Second Class Upper) with 9+ years of programming experience. Builds and ships production systems spanning REST APIs, web platforms, AI integrations, and government-grade applications. Founder of Pantheon Venture Studio; owns architecture and engineering delivery across multiple concurrent products.

## Education

### University of Port Harcourt

2022 – Present

B.Sc. Computer Science · 300 Level · Second Class Upper (2:1)

Coursework: Data Structures & Algorithms, Software Engineering, Operating Systems, Database Systems, Computer Architecture

## Skills

Languages	JavaScript, Python, PHP, C++
Frontend	React.js, Next.js, React Native, Tailwind CSS
Backend	Node.js, Express.js, Laravel, REST API Design
Databases	PostgreSQL, MySQL, MongoDB — schema design, indexing, query optimization
Systems	System design, API architecture, database architecture, scalable web systems
AI / ML	LLM API integration (OpenAI, Anthropic), prompt engineering, automation pipelines
Tooling	Git, GitHub, Vercel, Linux

## Experience

### Founder & Lead Engineer · Pantheon Venture Studio

2023 – Present · Nigeria (Remote)

Full-stack engineering across multiple concurrent production systems

- Architect and own the full software stack for 8+ products: defines data models, API contracts, and service boundaries before implementation begins.
- Design and implement RESTful APIs in Node.js/Express and Laravel handling authentication, authorization, file uploads, and third-party integrations.
- Build React and Next.js frontends integrated against self-authored backends; enforce component architecture and state management patterns across projects.
- Integrate LLM APIs (OpenAI, Anthropic) into production applications, including prompt design, response parsing, and error-handling pipelines.
- Manage deployment pipelines on Vercel and Linux VPS environments; responsible for uptime, environment configuration, and release coordination.
- Apply system design principles (caching, pagination, role-based access, audit trails) to meet real-world reliability and data integrity requirements.

## Projects

### **Rivers State Teachers Recruitment Platform** · Government Contract 2024

*Node.js · Laravel · PostgreSQL · REST API · Role-based access control*

- Built a government-grade digital recruitment system processing teacher applications, candidate screening workflows, and result computation for Rivers State.
- Implemented multi-role RBAC (admin, reviewer, applicant), secure form submission pipelines, and structured audit logging for regulatory compliance.
- Designed the database schema to support high-volume concurrent submissions with referential integrity and query-optimized reporting tables.

### **UniHub — Student Marketplace Platform** · Pantheon Venture Studio 2024 – Present

*Next.js · Node.js · PostgreSQL · REST API*

- Designed and built a full-stack marketplace for students to list, search, and transact academic resources and services.
- Engineered multi-category listing schema, full-text search, pagination, and user-generated content moderation pipeline.
- Implemented JWT-based auth, seller/buyer account management, and real-time notification hooks.

### **MyRight — AI-Assisted ADR Platform** · Pantheon Venture Studio 2024 – Present

*React.js · Node.js · LLM API integration · REST API*

- Built an AI-powered platform that automates the Nigerian ADR system.
- Designed the API layer to handle async LLM responses, retry logic, and graceful degradation when model endpoints are unavailable.
- Delivered campaign management dashboard in React with real-time status updates and analytics views.

### **Shift — Productivity Enforcement System** · Pantheon Venture Studio

2024

*React Native · Node.js · SQLite · Background task scheduling*

- Designed and implemented a cross-platform productivity application with configurable session enforcement, focus timers, and persistent progress logging.
- Built background task scheduling on mobile (React Native) for session management that operates without continuous network connectivity.
- Syncs session data to a Node.js backend API for cross-device progress tracking and reporting.

### **ScanRush — Cognitive Training Application** · Pantheon Venture Studio 2023 – 2024

*React · JavaScript · Node.js · REST API*

- Engineered a real-time cognitive training app with game-loop logic, sub-100ms input handling, and per-session performance analytics.
- Designed scoring algorithms and pattern generation logic; persisted session results to a backend API for longitudinal performance tracking.

### **Bourdillon Omijeh Foundation LMS** · Client Project 2023

*Laravel · PHP · MySQL · Role-based access control*

- Built a full learning management system: course authoring, learner enrollment, progress tracking, content delivery, and assessment modules.
- Implemented three-tier RBAC (admin, instructor, learner) with Laravel policies and MySQL-backed session state.

### **Foodix — Restaurant Ordering Platform** · Pantheon Venture Studio

2023

*React · Node.js · REST API*

- Developed a multi-vendor restaurant platform with dynamic menu management, real-time order state machine, and vendor-facing order dashboards.
- Designed order lifecycle state transitions (placed → confirmed → preparing → delivered) with event-driven status updates.