

# Udoumoh, John David

[johnudoumoh.vercel.app](mailto:johnudoumoh.vercel.app) | [johnudoumoh63@gmail.com](mailto:johnudoumoh63@gmail.com) | [linkedin.com/in/johnudoumoh/](https://www.linkedin.com/in/johnudoumoh/)

## EDUCATION

### Covenant University

Bachelor of Engineering in Computer Engineering

Nigeria

2018 – 2023

## EXPERIENCE

### Greynote

Software Engineer

Oct 2023 – Present

Lagos, Nigeria

- Built and optimized dashboards for 300+ schools, improving efficiency with React Query and PWAs. Utilized Next.js, TypeScript and Chakra UI.
- Utilized React Query for efficient data fetching, caching, and synchronization, significantly improving application speed and reducing server load.
- Optimized front-end performance with memoization and code splitting, while managing global state with Context API.
- Developed an advanced invoice management system with complex business logic for accurate balance and payment tracking.
- Engineered a fully responsive Clips Page, enabling seamless short-video playback with endless scrolling, like, share, comment, and pause/play functionalities, mimicking Instagram Reels.
- Built a Discover Page that allows users to engage with school posts, like content, and access detailed school profiles via a modal. Integrated a dynamic slideshow of images, direct messaging to school admins, and an enhanced user flow for better school discovery.

### The Boolean Technologies

Software Engineer

Apr 2022 – Sep 2022

Abuja, Nigeria

- Collaborated with a four-person team to build a human resource management system React and Styled components.
- Designed and implemented reusable custom components, reducing rendering time by 40%.
- Optimized the project's structure and introduced State management techniques for enhanced performance.
- Successfully incorporated declarative routing methodologies for React-based navigation.

### Soundclaz

Lead Software Engineer

Oct 2021 – Sep 2022

Lagos, Nigeria

- Led the engineering team in the full software development lifecycle for client projects, from design to delivery.
- Collaborated with cross-functional teams and business clients to deliver successful projects, resulting in a 200% increase in returning clients

## PROJECTS

### Proctor AI | Python, OpenPose, YoloV7, XGBoost, Flask, React

- Developed a cheating detection system using OpenPose for pose estimation, YOLOv7 for object detection, and XGBoost for classification, integrating them in an ensemble for improved accuracy.
- Optimized model performance through hyperparameter tuning and transfer learning.
- Built an intuitive web interface for academic institutions to detect cheating via AI-powered video analysis.

### Ojami(Hackathon) | Nodejs, Typescript, Nextjs, Rest API, Chakra UI

- Built a scalable vendor dashboard, empowering vendors to efficiently manage inventory, track orders in real-time, and analyze sales metrics.
- Engineered seamless multi-stage forms for vendor onboarding and product uploads, reducing drop-off rates and improving overall user experience.
- Implemented core eCommerce features, including voucher redemption, product ordering, and dynamic product displays, enhancing vendor engagement.
- Integrated KoraPay API for secure payment processing and vendor verification, ensuring compliance and reducing transaction failures.

## SKILLS

**Programming Languages:** JavaScript(Typescript), Python

**Frameworks:** React.js, Next.js, Node.js, Tailwindcss, ChakraUI, OpenCV

**Tools:** Git, Github, TanStack Query, Context API, FastAPI,