

Michael Dikandu

Software Engineer

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PROFILE

Experienced Software engineer with 4 years of developing innovative software applications that expedite the efficiency and effectiveness of organizational success. Has a firm background in design patterns and data structures, a problem solver who readily adapts to change. Works with a variety of languages, platforms, libraries, and frameworks. Proficient in **Java, JavaScript, Node.js, Python** and **TypeScript**, with expertise in **Spring Boot, React, Flask, Django and React native**. Skilled in RESTful API development, database management, cloud integrations, and security best practices (JWT authentication, CORS handling, Spring Security).

SKILLS

Programming Languages: Java, JavaScript, Python, TypeScript, HTML Frameworks & Libraries: Spring Boot, React, Tailwind CSS, Flask, Django.

Databases: MySQL, PostgreSQL, MongoDB Tools & Technologies: Git, GitHub, Postman, Cloudinary, Firebase.

Testing & Security: JUnit, Pytest, Jest, JWT authentication, Spring Security.

Soft Skills: Communication, Teamwork, Time Management, Design Thinking.

EXPERIENCE

Semicolon Lagos, Nigeria (2022 - 2022): As a Backend Engineer(Intern), I

- Designed and implemented Rental App using RESTful APIs for core app features such as user authentication, booking/order management, payment integration, and notifications..
- Integrated third-party services including Paystack for payments and Twilio/EmailJS for SMS and email notifications
- Implemented secure authentication using **JWT** and enforced role-based access control (**RBAC**).
- Ensured data integrity and performance through relational database design and optimized queries.
- Wrote unit and integration tests to guarantee API stability.

STACK: Java (Spring Boot), PostgreSQL, JWT, Postman, Paystack API, Git

Acletis ltd Lagos, Nigeria (2022 - 2023): As a FullStack Developer I,

- Designed and developed the backend architecture for a **loan management and reporting application**, handling loan origination, repayment tracking, borrower profiling, and credit scoring.
- Built a **modular reporting interface** that allowed dynamic database connections and generated customizable reports based on user-defined filters, time ranges, and report types (PDF, CSV, Excel).
- Developed a responsive and intuitive **frontend interface** that allowed users to connect to databases, configure parameters, and **generate dynamic reports**.
- Utilized React (Next js) with **Tailwind CSS** to deliver a clean, professional UI.

STACK: DOTNET, AZURE, SWAGGER, REACT, NEXTJS, TYPESCRIPT, KAFKA, TAILWIND CSS.

IETECH Lagos, Nigeria (2023 - 2024): As a FullStack Developer I,

- Designed and implemented RESTful APIs using **Dotnet**, allowing seamless integration with frontend clients and third-party services.
- Collaborated closely with frontend developers and UI/UX designers to ensure smooth API consumption and an intuitive user experience.
- Used **Azure** for secure data storage and **Redis** for caching frequent queries, improving performance by 30%.
- Built and maintained user interfaces for the bank's internet banking platform using **Next.js**, improving overall user experience and accessibility.

STACK: DOTNET, AZURE, SWAGGER, REACT, NEXTJS, TYPESCRIPT, KAFKA, e.t.c.

Freelance – Lagos, Nigeria (2025): A FullStack Developer (E-commerce Platform) I,

- Designed and developed a fully functional e-commerce web application using React, Next.js, and TypeScript, focusing on performance, responsiveness, and user-centric design.
- Built and integrated a secure backend with Prisma and PostgreSQL, enabling

efficient data modeling, querying, and relational mapping.

- Implemented authentication and authorization features, including secure user registration, login, and role-based access control.
- Developed custom components for key e-commerce functionalities such as product browsing, search and filtering, cart management, checkout process, and order tracking.
- Integrated payment gateways and implemented transaction history tracking to support a seamless user experience.
- Applied best practices for API design and data fetching using tRPC, Next.js API routes, and React Query for efficient state management.

STACK: SWAGGER, REACT, NEXTJS, TYPESCRIPT, TAILWIND CSS

BenswiftPay, Lagos, Nigeria (2025): As a Mobile Developer I,

- Developed and maintained a cross-platform fintech mobile app using React Native and Expo, enabling users to pay with cryptocurrencies, send SMS, and pay utility bills seamlessly.
- Integrated secure payment gateways for both fiat and crypto transactions, supporting wallets like Bitcoin, Ethereum, and USDT.
- Implemented biometric authentication (fingerprint & Face ID) for enhanced account security.
- Built bill payment features for electricity, internet, airtime, and cable subscriptions, improving transaction success rates by 25%.
- Developed real-time transaction history and push notification system for instant payment confirmations.
- Collaborated with backend engineers to integrate RESTful APIs and WebSocket connections for real-time crypto price updates.
- Optimized performance by reducing app load time by 35% through code splitting and efficient asset loading.

STACK: REACT NATIVE, EXPO, TYPESCRIPT, REDUX TOOLKIT, WEBSOCKET, TAILWIND CSS

Aquiline Technologies, Lagos, Anthony Nigeria (2025): As a Front end & Mobile Developer I,

- Designed and developed a cross-platform security application with React Native

and web frontend, enabling users to report incidents, create panic alerts, and check in for safety.

- Built real-time user tracking and location-sharing features to improve emergency response time by 40%.
- Implemented a push notification system for instant alerts on incidents, check-ins, and panic requests.
- Developed an incident reporting dashboard with filters, status updates, and live activity monitoring for admins.
- Collaborated with backend teams to integrate RESTful APIs and WebSocket connections for real-time updates.
- Optimized mobile and web performance by implementing lazy loading, code splitting, and responsive UI with Tailwind CSS.
- Ensured secure user authentication with JWT, session handling, and biometric login on mobile.
- Worked closely with product designers to deliver an intuitive UI/UX for both mobile and web users.

STACK: REACT NATIVE, EXPO, TYPESCRIPT, REDUX TOOLKIT, WEBSOCKET, TAILWIND CSS, REACT

EDUCATION

Semicolon Africa

Diploma in Software Engineering

Lagos, Nigeria

Feb 2024 -Feb 2025

CERTIFICATES

Entrepreneurship

Henley Business School Certificate of participation