

# Michael Edhere

## Software Engineer

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### Profile

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With more than a decade of experience as a software engineer, I specialize in multiple languages, frameworks, and services, with experience in different roles as a fullstack developer, frontend developer, backend developer, mobile developer, cloud architect, database administrator, cyber security specialist, and business systems analyst. I am passionate about developing quality code and building applications that are optimized for performance and security, either working independently or as part of a team, and delivering solutions that exceed expectations.

### Work Experience

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2023/05 – present  
FCT, Nigeria

#### Head of Information Technology

*PreDiagnosis International* 🔗

- Designed and upgraded telehealth products, including [pdicorporatehealth.com](#) 🔗, [pditelehealth.com](#) 🔗, and [dr-anonymous.com](#) 🔗 reaching over 200,000 users.
- Streamlined business processes by optimizing workflows and analyzing operations, implementing customized IT solutions to boost productivity and efficiency.
- Designed and implemented a call center via VoIP, using vanity numbers and FusionPBX.
- Built interactive applications using PHP, Laravel, React.js, Node.js, Ionic, MongoDB, and PostgreSQL, achieving a 50% reduction in user-reported bugs and significantly raising customer satisfaction.
- Administered servers on Ubuntu, Alma Linux, and ODK for data collection, with automated deployment set up via Jenkins and GitHub Actions.

2022/03 – 2023/05  
FCT, Nigeria

#### Head of Information Technology

*WalexBiz Group* 🔗

- Led development for a telemedicine app ([onemedy.com](#) 🔗), an ERP system update ([worktimeng.com](#) 🔗), and a law firm app ([uoalc.com](#) 🔗), reaching over 25,000 users across 12 companies.
- All development tasks were completed using PHP, Laravel, Node.js, Express.js, TypeScript, React.js, Ionic, Vue.js, MongoDB, GraphQL, MySQL, and PostgreSQL for for all products.
- Managed servers on GCP and Azure, set up CI/CD with GitLab CI and GitHub Actions, and added security features to protect servers and apps.
- Mentored interns in software development.

2020  
FCT, Nigeria

#### Founder

*Inretia Technologies* 🔗

- Collaborated with remote teams for local and international companies.
- Some projects include a SaaS hospital management system ([hospitalsys.com.ng](#) 🔗), a SaaS ERP system ([erp-sys.com.ng](#) 🔗), an AI content creation tool ([content.inretia.com](#) 🔗), an e-commerce site ([bazaarmart.com.ng](#) 🔗), a remote drone monitoring system ([abilidrones.com](#) 🔗), and several business websites.
- Used technologies like PHP, Laravel, JavaScript, TypeScript, Node.js, Express.js, Python, React.js, MongoDB, GraphQL, MySQL, and PostgreSQL for both early prototypes and main development.

- Deployed products on servers hosted by GCP, AWS, or Azure. Set up automated CI/CD pipelines with Jenkins and GitHub Actions. Added intrusion detection and prevention features to all servers and applications.
- Provided mentorship to new software developers, helping them build skills and grow in their careers.

2016/06 – 2020/08  
FCT, Nigeria

### Software Engineer

*Espirogen Network Solutions* [↗](#)

- Built websites for individuals and businesses to showcase their brand and 3 web applications for companies and businesses, which includes a customer relationship management system and a student data management system. Developed 2 desktop applications for a store and a mart to manage their inventory, stock and sales.
- Made use of JavaScript, PHP, Laravel, Node.js, Express.js, React.js, React Native, Electron.js, MongoDB, Ionic Framework, MySQL and PostgreSQL.
- Organized trainings for approximately 12 individuals every year on web development.
- Setup and managed Linux servers for clients.

2016/01 – 2016/05  
Benue, Nigeria

### Instructor

*National Directorate of Employment* [↗](#)

- Trained ICT and administrative staff on improved methods of using and managing computer systems and secure use of internet within their ICT centre.
- Implemented best security practices within the centre.
- With a tech team, computer systems and on-premise servers were upgraded while enhancing system security.

2015/06 – 2016/05  
Benue, Nigeria

### Junior Software Engineer

*Joseph Sarwuan Tarka University (formerly Federal University of Agriculture) Makurdi* [↗](#)

- Created an e-library web application and developed online portfolios and blogs for lecturers using JavaScript, PHP, SQL and hosted all systems on CPanel.
- Managed the windows-based computer systems in their computer centre, network connectivity and internet, and a remote server.
- I was sponsored by the organization and successfully completed 3 different trainings on Database Administration, Networking Engineering, and Project Management.

2014/09 – 2015/05  
FCT, Nigeria

### Intern

*Interserve Nigeria Limited*

- Learned how to work in a professional environment and improved my skills while developing websites with senior software engineers
- Participated in discussions with clients to collect system requirements for websites they requested
- Made use of HTML, CSS, JavaScript, SQL and PHP to create small websites for individuals and small businesses
- Hosted websites on CPanel

## Projects

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2024

### PDI Corporate Health Platform [↗](#)

*An online platform for Rapid diagnostics for organizations and institutions*

This platform helps laboratory scientists and doctors on field work store diagnostic test data and produce health certificate of fitness. The web application was built using Laravel and React.

- 2023 **PDI Telehealth** [↗](#)  
*An Electronic Medical Records system*  
The PDI Telehealth project is an Electronic Medical Records (EMR). It was designed using Laravel, to digitally store, manage, and retrieve patient medical records and related information. Healthcare professionals and administrative staff use the system to streamline the overall management of healthcare information.
- 2020 – 2023 **ERP-Sys** [↗](#)  
*A subscription-based ERP system*  
This ERP as a SaaS product contains modules for staff, payroll, human resource, projects and tasks, leads, sales, inventory, and budget planning. It was built using Laravel and MySQL database.
- 2020 – 2023 **HospitalSys** [↗](#)  
*A SaaS product created to manage multiple hospital operations and clinical data*  
This SaaS product features roles for doctors, nurses, lab technicians, pharmacists, accountants and hospital administrators, helping them manage small to medium size hospitals along with patients' data and diagnosis. This system was built using Laravel with Postgres database.
- 2023 – 2024 **DoctorAnonymous** [↗](#)  
*A subscription-based product for handling sexual and reproductive health*  
This product was designed to bridge users and healthcare providers using telemedicine services. It offers chat-based discussion with a remote health provider, after which a scheduled meeting is arranged between a doctor and the user via a call centre. This product was built using Laravel, Nodejs, React, and Tiledesk opensource chat service.
- 2024 **AIISL Remote Drone Monitoring System** [↗](#)  
*A system delivering remote feed from operational drones*  
This system was designed for Abili Integrated Services, a company known for surveillance of Oil assets in Nigeria. The service allows the operational centre get access to the live feed of all DJI drones on the field during on-site operations.  
  
This was build using Laravel and Ant Media Server.
- 2022 – 2023 **Inretia Content Creator** [↗](#)  
*AI content generation system*  
This project for Inretia Technologies (a tech startup) was designed to aggregate AI models from OpenAI and Stable Diffusion. Multiple pre-made prompts were designed to aid interaction with the aforementioned models and give content as desired.
- 2021 – 2022 **WorkTimeNG** [↗](#)  
*An SaaS-based ERP for SME's*  
Worktimeng is an SaaS-based Enterprise Resource Planning (ERP) system, specifically designed for Small and Medium-sized Enterprises (SMEs) and constructed using CodeIgniter. The project is a comprehensive suite of tools, catering to various aspects of SME business operations, including human resource, inventory, customer relationship, and financial management.

## Skills

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**Programming Languages** — PHP, Javascript, Typescript, Python, SQL, Rust

**Frontend Development** — React.js, Next.js, Tailwind, Vue.js, Nuxt.js

**Backend Development** — Laravel, Node.js, Express.js, Nest.js, Flask, FastAPI, Codeigniter

**Mobile/Desktop Application Development** — React Native/Expo.js, Ionic Framework, Electron.js

**Database Management** — PostgreSQL, MySQL, MongoDB, Redis, GraphQL

**Cloud Administration** — Linux, Amazon Web Services, Google Cloud Platform, Microsoft Azure, Docker, Jenkins, Github Actions, Gitlab CI, VoIP

**Cyber Security** — Intrusion Prevention and Detection, Business Continuity and Incident Response, Penetration Testing

**Management** — Strategic planning, Team leadership, Project management, and Business process and systems analysis

## Education

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2011/09 – 2014/08      **B. Sc. Computer Science (1st Class Honors)**  
Delta, Nigeria              *Novena University*

2007/09 – 2011/09      **B. Sc. Computer Science (transferred)**  
FCT, Nigeria                *University of Abuja, FCT*

2001/09 – 2007/08      **West African Senior School Certificate**  
FCT, Nigeria                *Federal Government Boys College, Garki*

## Certificates

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**Project Management**  
Federal Ministry of Information, Nigeria

**Networking Engineering**  
Federal Ministry of Information, Nigeria

**Database Management System Administration**  
Federal Ministry of Information, Nigeria

**Entrepreneurship Development Programme**  
Small and Medium Enterprises Development Agency  
of Nigeria