

Akinwale Daniel Oluwagbemiga

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EXECUTIVE SUMMARY

Results-driven Full Stack Web Developer with proven expertise across all stages of modern web application development. Skilled in crafting responsive, high-performance solutions using **HTML5, CSS3, SASS, JavaScript (ES6+), TypeScript, React.js, Next.js, and XHTML** for engaging user interfaces. Experienced in backend development with **Java (Spring Boot), Node.js, and Express**, and proficient in database management using **PostgreSQL and MySQL**.

Strong background in **testing and automation** with **Cypress, Selenium, and JUnit**, ensuring robust, bug-free solutions. Adept in **DevOps and Cloud technologies** including **Docker, Kubernetes, Jenkins, Terraform, Ansible, and Nagios**, enabling streamlined CI/CD pipelines and efficient deployment.

Recognized for excellent problem-solving skills, a commitment to clean, maintainable code, and the ability to work effectively in both independent and collaborative team environments.

WORK HISTORY

Senior Software Engineer

(1st December 2025 - Till Date)

Rova Technologies – Nigeria

- Led the development of scalable, enterprise-grade software solutions using React, Next.js, Node.js, and TypeScript.
- Designed secure backend services, APIs, and system architectures focused on performance and maintainability.
- Collaborated with product managers, designers, and engineers to translate business requirements into technical solutions.
- Reviewed code, enforced best practices, and mentored junior developers.
- Supported deployment workflows and cloud-based infrastructure for production systems.

Tech Instructor – DevOps & AWS Cloud Computing

(1st August 2025 - November 2025)

Digital Tech World Academy – Nigeria

- Designed and delivered comprehensive DevOps training programs, covering CI/CD pipelines, containerization (Docker, Kubernetes), cloud platforms (AWS, Azure), Infrastructure as Code (Terraform, Ansible), monitoring tools (Prometheus, Grafana), and version control (Git/GitHub).
- Developed detailed course materials, lab exercises, and real-world projects to give students practical, hands-on experience with industry-standard DevOps tools and workflows.
- Guided learners in building, deploying, and managing full-stack applications using automated pipelines,

ensuring they understood end-to-end DevOps lifecycles.

- Mentored students individually and in groups, providing personalized feedback to strengthen technical skills and problem-solving abilities.
- Conducted live demonstrations and workshops to illustrate key concepts in CI/CD, container orchestration, cloud deployments, and system monitoring.
- Integrated real-world scenarios, including enterprise-grade deployment workflows and troubleshooting exercises, to prepare learners for professional DevOps roles.
- Evaluated student performance through assignments, projects, and practical assessments, ensuring mastery of tools and concepts.
- Stayed updated with emerging DevOps trends, tools, and best practices, incorporating them into the curriculum to maintain relevance and industry alignment.
- Facilitated career guidance sessions, helping students prepare for DevOps interviews, certifications, and portfolio development.

Software Engineer (1st September 2024 - 30th July 2025)

AppGlobal Technologies Limited – Nigeria.

- Writing clean, efficient, and maintainable code using various programming languages.
- Designing scalable and modular software architectures to meet project requirements.
- Troubleshooting and solving complex technical problems to ensure software functionality.
- Collaborating with cross-functional teams, including designers, product managers, and other developers.
- Writing and executing tests, and debugging code to ensure quality and performance.
- Conducting peer code reviews to ensure adherence to coding standards and best practices.
- Maintaining and updating software by adding new features, improving performance, and fixing bugs.
- Creating and maintaining clear documentation for code, APIs, and technical specifications.
- Managing deployment pipelines and overseeing the release process to ensure smooth software delivery.

DevOps Engineer (LIS Integration and PACS Server Specialist)

(5th February 2024 - 30th August 2024)

AppGlobal Technologies Limited – Nigeria

- Designed, implemented, and maintained integration solutions for LIS (Laboratory Information System) and PACS (Picture Archiving and Communication System) servers to ensure seamless data flow and interoperability between healthcare systems.
- Built, managed, and optimized CI/CD pipelines to ensure efficient and reliable software delivery, automating deployment processes for LIS and PACS-Deployment.
- Implemented monitoring and logging solutions (e.g., Prometheus, Grafana, ELK Stack) to proactively identify and resolve performance bottlenecks or system failures.
- Applied security best practices to safeguard sensitive healthcare data, ensuring compliance with industry standards such as HIPAA, GDPR, and other relevant regulations.
- Collaborated with cross-functional teams, including developers, system administrators, and healthcare professionals, to ensure alignment between technical solutions and business requirements.
- Created and maintained comprehensive documentation for system architecture, integration

workflows, and operational procedures.

- Designed and implemented scalable architectures to handle growing data volumes and user demands, optimizing system performance by identifying and addressing inefficiencies. ➤ Developed and maintained disaster recovery plans and backup strategies to ensure business continuity in case of system failures or data loss.
- Troubleshooted complex technical issues related to LIS and PACS integration, ensuring high availability and reliability of systems.

QA Automation Engineer (Cypress) (4th September 2023 - 26th January 2024)

Solatium (Hassles-free Connections) – Nigeria/Canada.

- Designed, developed, and maintained automated test scripts using Cypress.
- Created end-to-end testing frameworks for new and existing web applications.
- Developed and implemented test plans and strategies for functional, regression, and performance testing.
- Integrated automated tests into the CI/CD pipeline for continuous testing and deployment.
- Collaborated with cross-functional teams to understand requirements and provide test automation solutions.
- Executed automated test suites and analyzed test results to identify and document defects.
- Optimized and refactored automated test scripts for efficiency and reliability. ➤ Documented test procedures, results, and automated scripts for future troubleshooting and updates.
- Performed thorough testing and analysis to eliminate errors and reduce risks before production releases.
- Monitored and maintained test environments and data for automated tests.
- Ensured that all automated tests are up-to-date and reflect the latest application functionality.
- Diagnosed and troubleshooted test failures and issues in test environments.

Web Developer (5th October 2020 - 25th August 2023)

Momas Electricity Meter Manufacturing Company Limited - Mowe/Ibafo. Ogun State.

- Collaborated with cross-functional teams to identify customer requirements and develop technical solutions
- Implemented responsive design that ensured web application was accessible on all devices
- Developed secure, interactive web application with modern front-end framework and intuitive user interface
- Developed a responsive website for major e-commerce company that increased user engagement by 45%
- Created an interactive web application using HTML, CSS, and JavaScript that improved user experience by 20%
- Created custom websites by harnessing HTML, CSS, XHTML, React, Java and JavaScript skills.
- Documented software specifications, aiding in future troubleshooting and updates. ➤ Utilised software libraries of reusable code to streamline design and reduce collaboration bottlenecks.
- Improved web development plans to achieve client requirements within assigned timeframes.

- Wrote clean, clear and well-tested code for various projects.

UI/UX Designer (2nd March 2020 - 2nd October 2020)

Momas Electricity Meter Manufacturing Company Limited - Mowe/Ibafo. Ogun State.

- Liaised with clients and designers to create robust, functional platforms.
- Developed a comprehensive style guide and visual identity system that improved the company's brand consistency across multiple platforms
- Conceptualized and created a series of graphics that increased brand awareness and recognition by 46%
- Developed a secure and user-friendly website with an intuitive UI/UX design that increased user engagement
- Developed and implemented architectures for web applications.
- Maintained excellent knowledge of emerging multimedia technologies and trends to meet client demand.
- Minimised operational downtime through comprehensive testing.
- Managed projects to develop high-performing platforms with optimum frameworks. ➤ Flexed with changing specifications and technological developments to maintain conformance with specifications and schedule targets.

TestBench Laboratory Technician (6th May 2019 - 28th Feb. 2020)

Momas Electricity Meter Manufacturing Company Limited - Mowe/Ibafo. Ogun State.

- Created a custom software program that automated routine laboratory tasks, resulting in a 15% reduction in processing time. And to add more efficiency in daily output of desirable results ➤ Collected and prepared laboratory specimens for testing, ensuring accuracy and prompt delivery to the laboratory software program
- Designed experiments and conducted laboratory tests to explore research hypotheses
- Assisted with laboratory tasks, such as creating sub routine for daily activities ➤ Updated databases with analysis findings for ongoing research monitoring.
- Interpreted and compiled laboratory results for data-driven decision-making.
- Participated in research discussions, offering insights and observations to improve experimental processes.
- Performed testing procedures according to agreed laboratory protocols.
- Maintained clean, organised laboratory workspace to comply with hygiene and safety standards.
- Recorded all data and results accurately and responsibly.

————— PROJECTS DONE ————

SafeGuard- Smart baby Monitoring System

- **Tech Stack:** Nextjs, React, Node.js, TypeScript, IoT Hardware
- **Description:** SafeGuard is a smart baby monitoring app for tracking baby vitals, geofencing and getting predictive AI Insights
- **Key Features:**
 - Designed and built a smart baby monitoring platform combining custom hardware with a

modern web application.

- Developed a secure backend for real-time data processing and device communication.
- Built a responsive dashboard for parents and caregivers.
- Architected the system for scalability and future hardware expansion

➤ **Impact:**

- Improved infant safety through real-time monitoring
 - Demonstrated seamless hardware-to-web integration
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Momas-Pay Web Application

➤ Tech Stack: React, Node.js, Express.js, MongoDB, Redux, Tailwind CSS

➤ Client: Momas Systems Nigeria Limited

➤ Description: A web application designed for seamless management of prepaid and postpaid electricity meters, enabling users to make payments and track consumption effortlessly.

➤ **Key Features:**

- Prepaid & Postpaid Meter Management: Supports both billing models for flexibility
- Secure Payment Processing: Integrated payment gateway for instant transactions
- Usage Tracking & Account Management: Real-time monitoring of electricity consumption and balance
- User-Friendly Dashboard: Intuitive interface for easy navigation and self-service
- Notification System: Alerts for low balance, pending payments, and transaction confirmations

➤ **Impact:**

- Simplified electricity bill payments for users
 - Improved transparency in energy usage and billing
 - Reduced customer complaints through efficient self-service options
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CarePoint

➤ Tech Stack: React, Node.js, Express.js, PostgreSQL

➤ Description: CarePoint is a comprehensive healthcare management solution designed to streamline medical records, enhance patient care, and optimize administrative workflows.

➤ **Key Features:**

- Secure and centralized patient record management
- Appointment scheduling and notifications
- Integrated billing and payment processing
- Role-based access control for healthcare professionals
- Data analytics for improved decision-making

➤ **Impact:**

- Improved efficiency in healthcare service delivery

- Enhanced patient data security and accessibility
 - Reduced paperwork and administrative burden
 - Seamless integration with existing hospital systems
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Heavenly Minded Foundation Website

- Tech Stack: HTML, CSS, JavaScript, React, Firebase
- Client: Heavenly Minded Foundation
- Description: A dynamic and user-friendly website designed to showcase and support the foundation's humanitarian efforts.
- **Key Features:**
 - Blog Section: Regular updates on projects, success stories, and community outreach
 - Donation Portal: Secure and seamless online donation system
 - Event Management System: Organize, schedule, and promote foundation events
 - Firebase Integration: Real-time data synchronization and authentication
- **Impact:**
 - Expanded online presence and engagement
 - Increased donations and community support
 - Streamlined event organization and communication

Nigtrak Application

- Tech Stack: TypeScript, Java, Spring Boot, PostgreSQL, React, Redux, Docker
- Client: Military-Grade Equipment Provider
- Description: A highly secure application designed for managing military devices, featuring an embedded inventory system for efficient tracking and reporting.
- **Key Features:**
 - Real-time inventory tracking for military equipment
 - Detailed reporting and analytics for operational insights
 - Secure and scalable backend using Java and Spring Boot
 - Intuitive user interface built with React and Redux
 - Containerized deployment using Docker for flexibility and reliability
- **Impact:**
 - Improved tracking and accountability of critical military assets
 - Streamlined inventory management with accurate data recording
 - Enhanced operational efficiency and security in equipment handling

NodeCoin Platform

- Tech Stack: Next.js, Node.js, Express.js, MongoDB, Stripe API
- Client: Cryptocurrency Enthusiasts
- Description: A sleek and secure web platform for buying and selling digital coins, designed to simplify cryptocurrency transactions.

➤ **Key Features:**

- Secure payment processing via Stripe API
- Real-time transaction tracking and history management
- User-friendly interface with Next.js for seamless navigation
- Scalable backend with Node.js and Express
- Secure and efficient data storage using MongoDB

➤ **Impact:**

- Enabled seamless cryptocurrency transactions
- Increased user trust through secure payments and transaction transparency
- Improved accessibility for crypto traders and enthusiasts

Employee Record Management System

➤ Tech Stack: Java, JSF, PrimeFaces, Hibernate, MySQL

➤ Client: Corporate Organization

➤ Description: A robust Java-based system designed to securely manage employee records, ensuring streamlined HR operations and efficient data handling.

➤ **Key Features:**

- User-friendly interface with JSF and PrimeFaces
- Secure employee data storage using Hibernate and MySQL
- Role-based access control for HR personnel
- Automated report generation and analytics
- Easy employee onboarding and record updates

➤ **Impact:**

- Reduced administrative workload and paperwork
- Improved accuracy and accessibility of employee records
- Enhanced data security and compliance with HR policies

PACS Server Deployment and LIS Integration

➤ Tech Stack: Bash Script, Docker, Kubernetes, Java, Portainer, Mirth Connect, Postman ➤ Description: Developed and deployed a PACS (Picture Archiving and Communication System) server to seamlessly integrate Laboratory and Radiology machines with both cloud-based and on-premise EMR systems.

➤ **Key Features:**

- Secure and efficient transmission of medical imaging and laboratory results
- Automated data exchange between LIS (Laboratory Information System) and EMR
- Scalable and containerized deployment for flexibility and reliability
- Integration with HL7 and DICOM standards for interoperability

➤ **Impact:**

- Streamlined diagnostic workflows and improved patient data accessibility
- Enhanced collaboration between healthcare providers
- Reduced manual data entry errors, leading to increased efficiency and accuracy.

EDUCATION

University Of Ibadan

Bsc. Computer Science - Ibadan. Oyo State.

Advocate Group Of Schools

Secondary School Leaving Certificate – Pakuro/Mowe. Ogun State.

SKILL

- ★ Full Stack Development
- ★ System Architecture & API Design
- ★ DevOps & CI/CD Pipelines
- ★ Cloud Computing (AWS)
- ★ Containerization (Docker, Kubernetes)
- ★ Infrastructure as Code (Terraform, Ansible)
- ★ Testing & Automation
- ★ Agile / Scrum Methodologies
- ★ Technical Mentorship & Training

PROFICIENCY

- ★ **Frontend:** HTML5, CSS3, SASS, JavaScript, TypeScript, React, Next.js
- ★ **Backend:** Node.js, Express, Java (Spring Boot)
- ★ **DevOps:** Docker, Kubernetes, Jenkins, Terraform, Ansible, Prometheus, Grafana
- ★ **Databases:** PostgreSQL, MySQL, MongoDB
- ★ **Testing:** Cypress, Selenium, JUnit