

# LAWRENCE MADUABUCHI

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## EDUCATIONAL QUALIFICATIONS

**Rivers State University of Science and Technology, Rivers State - Nigeria (2006 – 2011)**

B.Sc. Computer Science

## WORK EXPERIENCE

### Nestoil Group

August 2024 – 2025

POSITION: Lead Application Specialist/SEO Specialist

- Take active steps to increase understanding of end-users' functions to support applications such SAP ByD ERP and analytics platform like SAP Analytics Cloud (SAC)
- Perform in-depth technical audits using tools like Screaming Frog, Google Search Console, and Ahrefs.
- Detect and resolve **indexing**, **crawlability**, and **rendering** issues.
- Recommend process changes to end-users to optimize system functionality.
- Implements training plans to instruct end-users in program procedures.
- Researches the setup and functionality of software modules to ensure optimal functionality for end-users.
- Function as Subject Matter Expert (SME) for end-users with questions and help debug application issues.
- Collaborate with stakeholders on functional application issues
- Analyze, review and rewrite programs to increase operating efficiency or to adapt program to new requirements
- Perform complex coding assignment. Convert business requirements into software design and program code
- Evaluate and test vendor-supplied software packages. Determine compatibility with existing systems
- Provide first/second level technical support for vendor software. Install and test vendor upgrades and patches
- Communicate with end-users and other IT staff on application upgrades, fixes and new processes, and impact of changes.
- Collaborate with end-users on upgrade and testing to ensure successful migration to new versions
- Develop system and program test plans, including obtaining test data, conducting program and system testing, and evaluating test result
- Debug programs.
- Audit and optimize **site architecture**, **URL structures**, and **internal linking** for crawl efficiency.
- Develop documentation defining application development processes
- Improve Core Web Vitals and page speed using Google PageSpeed Insights, Lighthouse, or WebPageTest.
- Troubleshoot and fix JavaScript rendering and lazy-loading issues that impact SEO
- Create and maintain internal documentation, SOPs, and troubleshooting guides.

**Technologies:** SAP BYD, SAP Analytics Cloud, SAP HANA, SAP UI5 framework, Azure Server, O365, Power Apps, Power Bi, Power Automate, SharePoint, WordPress, Screaming Frog SEO Spider , Google Search Console, SEMrush, GTmetrix, Chrome DevTools, XML Sitemap Validator, Trello, Loom, Vimeo, Slack, MSTEams, C#.NET Core, Python, C++, PHP, Laravel, React JS, JavaScript, HTML, CSS, SQL, Kafka, Linux, Almalinux, Nginx, Docker, Azure, REST APIs, Microservices, ITSM, SharePoint, Veam Backup, PostgreSQL, MySQL, MSSQL Server, GIT etc.

### Rivers State University of Science & Technology (Fully Remote – Research Oriented)

October 2021 – 2024

POSITION: Software Engineer

- Built an Online Web Chat Platform called heyU using Python
- Developed our company's cloud marketplace for end user purchase of cloud solutions. This system can be used for channel partners to provision licensing or users can obtain licenses as "self-serve" (ekoone.ng) using Python.
- Implemented RESTful APIs and Web Services to facilitate seamless integration between various applications.
- Rebuilt the AirBNB (Vacation and Rental) clone app Using Python.
- Worked on and upgraded our company's code infrastructure (termed OCTOPUS) that serves as our internal framework for all our solutions. It's a large codebase divided into distinct microservices and was built using the CLEAN code architecture and C#.NET (Core and .NET 7).
- Worked on extending external SDKs via custom middlewares using C#.net Core/7
- Developed sync applications and scripts between clients Odoo and custom applications using Apache Kafka, Apache Airflow and Python.
- Extending cloud productivity tools to work with other enterprise software, e.g., syncing data between Odoo and SAP, Odoo and Foodics, Ecommerce websites and Zoho etc.
- Worked with my team on developing a ticketing portal that integrated with WorkMarket and Autotask using C# and React.js. Features include creating a ticket in the client system portal that create a ticket in Autotask, a

calendar for technicians nationwide in the USA to be scheduled to work on the Autotask tickets, with additional features like allowing users (dispatch manager, dispatchers, and their clients) to see on a map what part of the country their technician is and how many available technicians there are in a given area to support large rollouts of 1,000-3,500 locations and more.

- Designed and built a system called Autotask Wrapper (ATW) to connect a customer Autotask so it can deal with a ticketing issue where their clients ticket numbers and their numbers were not the same using Python and Airflow. The customer Autotask system can be configured to update their customer's Autotask system for new tickets and any updates that happen so both databases have the same information. Solved a resource issue by creating a bouncer to delay calls and reduce latency in the system for API call volume.
- API development and integration for Cloud Services and CRMs including Office 365, OX Cloud and Odoo.
- Work together with the Product Owner, Product Designer and other team members to develop new products and features.
- Designed and maintained databases, optimizing queries and ensuring data integrity throughout the application lifecycle.
- Write Linux commands to manage software architecture for Linux-based systems.
- Build, manage and deploy microservices on Azure and DigitalOcean.
- Work with my team to complete assigned task using Agile/Scrum development.
- Interpreting and designing web sites for product launch according to UI/UX Figma designs.
- Participated in software testing and debugging processes to identify and resolve issues, ensuring the delivery of stable and reliable software products.
- Mentored junior developers, fostering their technical growth and professional development within the organization.
- Developed a portal for tracking remediations of oil companies in Nigeria (remtrack.ng).
- Developed a portal for tracking federal house of representatives and senators constituency projects in Nigeria (constrack.ng).
- Developed school management software (SIMA) with six core modules including a student and result management, HR system, finance module for fee management, voucher management, parent portal and internal CBT.

**Technologies:** WordPress, C#.NET Core, Python, MATLAB, C++, PHP, Laravel, React JS, JavaScript, HTML, CSS, Airflow, Kafka, Linux, Nginx, Docker, Azure, DigitalOcean, REST APIs, Microservices, PostgreSQL, MySQL, MSSQL Server, GIT etc.

## **African Circle Pollution Management Limited**

November 2020 – 2024

POSITION: Software Developer/ IT Officer

- Developed and maintained responsive web interfaces using HTML, CSS, and JavaScript, ensuring excellent user experience and compatibility across different browsers.
- Collaborated with the frontend development team to integrate APIs and deliver seamless user experiences.
- Work together with my team to complete task using Scrum development.
- Developed a portal (<http://mciportal.africancircle.com>) that keeps track of vessels, providing users with their full details, activities and billing processes.
- Worked as a team for the implementation & Deployment of the Companies HR Portal (<http://goshrm.africancircle.com/authentication/login> )
- Maintain company website (<https://africancircle.com> ), update contents, marketing campaigns, layout, Database CRUD mechanism, update web plugins, forms e.t.c.
- Develop workflows using Power Automate Flow.
- Customization & Integration of SharePoint Online, Power Apps and Power Automate
- Install and configure the Employer's computer hardware, software, systems, and network.
- Assist, troubleshoot, and diagnose hardware & software-oriented problems where applicable.
- Liase with African Circle Pollution Management Limited I.T department and report all ICT issues to the I.T Department
- Manage all operating systems and end user software.
- Email Account Management, User Authentication and Authorization, cPanel Control Management.
- Ensure Zero network downtime.
- Troubleshoot I.T issues within our Onne, Port Harcourt Dockyard and Regional offices respectively.
- Manage infrastructure (Microsoft Exchange office, SharePoint Portal, ISA, SAP, Microsoft Dynamics, and Windows) and connection solutions.
- Perform Network and Security Audit, test routine system backups and restores.
- Provide full technical support across the Employer's company within the IT Support's employment period.
- Analyze System, Server application, network and input/output device performance in African Circle

**Technologies:** Python, PHP, C#.NET, JavaScript, cPANEL, REST APIs, jQuery, HTML, CSS, SharePoint, o365, SAP, Power BI, Firewall, WordPress-CMS

**Trisat Communications Limited**

September 2015 – March 2018

POSITION: Software Developer/Content Center Advisor

- Developed Charkin Maritime Academy internal training and delegate portal with modules for handling course management, attendance, delegate and student registration, ID Card creation, certificate creation and management, delegate and student result management etc. using C#.NET Core.
- Development and deploying of software development projects.
- Upgrading and installation of software projects.
- Support Schools on various nortify modules.
- Website Updating and Maintenance of product carts, blog articles and services offered by nortify.
- Developed dash boards for displaying and updating of nortify pricing and support data.
- Developed cost control, monitoring and reporting systems/procedures in collaboration with field inspectors/engineers and subcontractors to ensure costs are in line with forecasts.
- Prepared and scheduled cost expenditure statements and other necessary documentation at regular intervals for timely delivery of capital estimates

**Technologies:** Wordpress, C#.NET Core, JavaScript, PHP, cPANEL, REST APIs, jQuery, HTML, CSS

**ZMJ Technologies**

2014-2015

POSITION: Junior Software Engineer/Technical Manager

- Design, development and deployment of modules of SIMA School Management solution with core focus on the Student Information System module for student management, student course management, income and expense management, budget management etc.
- Upgrading and installation of software projects.

**Technologies:** Python, C#.NET, PHP, JavaScript, cPANEL, REST APIs, jQuery, HTML, CSS

**SKILLS**

- **Programming Languages: Back-end:** C#, PHP, Python. **Front-end:** JavaScript, React.js, jQuery, Node.js, Typescript
- **Frameworks:** ASP.NET Core, Laravel, Django, Flask, Wordpress
- **Database Management:** PostgreSQL, MySQL, Mongo DB, Microsoft SQL server
- **Version Control:** Git, Bitbucket, Azure DevOps (Team Foundation Server)
- **Collaboration Tools:** Jira, Slack, Teams, Zoom
- **Cloud Services:** DigitalOcean, Azure, Google Cloud
- **Open Source:** Linux, Nginx, Apache2, Airflow, Kafka, Docker, Redis Cache
- **Other Skills:** HTML 5, CSS, REST API, JSON, XML, Microservices, CLEAN Code Architecture, SOLID, CI/CD, Agile/SCRUM Development, GitLab, Load Balancing, Unit Testing
- **Office Tools:** Microsoft Teams, Microsoft Office (Word, Excel, Power Point, Publisher and Outlook)
- **Graphics:** CorelDraw, Fireworks, PhotoShop

**OTHER SKILLS**

- Excellent Problem-solving and troubleshooting skills
- Team collaboration and leadership
- Agile Development Methodologies
- Excellent communication skills with proficiency in English
- Excellent work ethics with or without supervision