

## Amman Abua

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AWS Certified Full Stack Software Engineer with 5 years of experience involved in all software development life cycle from requirement gathering and analysis to design, development, testing, and support. Highly knowledgeable in operating systems, development environments, frontend and backend programming languages, and data architecture. Leverages Agile methodology to strengthen test-driven, development, and change management initiatives.

### SKILLS

- System Design • Database Design • Object Oriented Programming (OOP) • UI implementation • Single Page Applications
- Backend Development • Kubernetes • CI/CD • Cloud Infrastructure

### PROFESSIONAL EXPERIENCE

**CAREER HIGHLIGHTS:** Innovatively designed and developed scalable software components and micro services across diverse industries, including Hospitality, Biotech, Retail, HR & Payroll, to enhance business functionalities using modern technologies and automation process.

- Transformed business requirements into software solutions through effective design and architecture following 12 factor Application principles.
- Designed data models for both relational and non-relational databases for application development as well as providing high value business metrics.
- Possess a robust understanding of Object-oriented concepts, multi-threading, functional programming, and dynamic programming.
- Solid experience working with micro service architecture.
- Demonstrated proficiency in developing Web Services managed on Cloud Infrastructure.

**SPARETIME DIGITAL LTD, Manchester, United Kingdom** [LINK](#)  
**Senior Software Engineer (Remote)**

**05/2022 – 10/2023**

System Design, Development and Maintenance of web applications.

- Designed an art exhibition and retail web application mockup and prototype in Figma, meeting 100% of the functional requirements.
- Transformed the UI mockup into a functional web application using React, NextJS, and Tailwind CSS, boosting user engagement by 25%.
- Architected and deployed RESTful services with Axios and JSON, reducing transaction time by 30%.
- Integrated Stripe for payments, enabling successful purchases and providing frictionless user experience.
- Developed microservice applications with event streaming platform to support order management systems with real-time notification updates as orders move from placement to fulfillment.
- Developed secured and resilient REST APIs integrated into an enterprise API management system for third-party integration and API monetization.
- Implemented dashboard layout integrated with various data sources to visualize business metrics.
- Utilized observability tools to monitor system infrastructure, trace and debug production incidents.
- Designed and implemented an abandoned cart reminder system which notifies customers of items hanging in shopping cart via multiple channels.

#### Software Engineer

System Design, Development and Maintenance of web applications.

- Designed and implemented applications with external integrations for hiring vendors to streamline the onboarding process for new restaurant employees.
- Created backend services to facilitate data flow from third-party scheduling and punching systems to HR payroll system.
- Migrated legacy monolithic and service-based architecture applications to cloud based microservices architecture.
- Integrated Stripe for payments, enabling successful purchases and providing frictionless user experience.
- Created in-house libraries for internal team use to enhance development efficiency when utilizing cloud resources.

**Technologies Used:** JavaScript, React, NextJS, Tailwind CSS, Material UI, Java, Spring Boot, AWS, PostgreSQL, Docker, Kubernetes, GitHub Actions, Git, MongoDB, Agile, Feature-Driven Development (FDD), DataDog, Splunk

JACQ (Lex-AI), Lagos, Nigeria. [LINK](#)

01/2022 – 05/2022

**Frontend Developer (Remote)**

Built user interfaces for various legal and estate management services.

- Engineered UI integrations for the estate management backend, considerably enhancing asset management efficiency using React, Axios, Tailwind CSS and Material UI.
- Developed a SAAS dashboard UI with API integrations, increasing customer satisfaction by 25%.
- Collaborated with product designers to enhance UI, boosting accessibility considerably.

**Technologies Used:** JavaScript, React, Tailwind CSS, Axios, Jira, Material UI, React Redux, Agile, Scrum

MANYACTIVE APP LTD, Nairobi, Kenya. [LINK](#)

08/2021 – 11/2021

**Software Engineer (Remote)**

Built reusable React Components for SaaS Fitness Management & Mental Health Tracking System.

- Integrated analytics charts into SAAS product using Chartjs, boosting user experience by 20%.
- Implemented UI mockups with JavaScript, React, CSS, Material UI, increasing user traffic by 15%.
- Secured authentication with JSON Web Token, improving performance.
- Optimized data fetching with React Axios, enhancing efficiency by 25%.
- Collaborated on new features, significantly increasing customer satisfaction.

**Technologies Used:** JavaScript, NextJS, React, Chartjs, Redux, BitBucket, Passport, NPM, Axios, Material UI, Jira, Git, MongoDB, Agile, Scrum

MEDIA DIGEST LIMITED, Abuja, Nigeria

01/2020 – 08/2021

**Executive Assistant**

Led projects from inception to completion utilizing creativity, problem solving and leadership skills

- Led a cross-functional team to launch Total Healthcare magazine, increasing customer registration by 40%.
- Increased web traffic by 20% on ittelecomdigest.com with quality articles.
- Built a responsive UI for an Event Management system, focusing on seamless user experience.
- Engineered a scalable backend for the Event Management system with Nodejs, Express, PayStack, and MongoDB leading to increased customer satisfaction and retention.

**Technologies Used:** HTML, CSS, JavaScript, React, Nodejs, Express, MongoDB, CorelDraw, Git, Jira, Bootstrap, Slack, WordPress

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## EDUCATION

**Master of Science in Computer Science**, Maharishi International University, Fairfield, Iowa, USA.

(06/2026)

**Key Courses:** Enterprise Applications, Web Application Programming, Advanced Software Development, Software Engineering

**Post Graduate Diploma in Computer Science**, Nile University of Nigeria, Abuja, Nigeria

(07/2023)

**Key Courses:** Data Structures & Algorithms, System Analysis & Design, Mobile & Web Programming, Database Management Systems

**Bachelor of Engineering in Electrical/Electronics**, Afe Babalola University, Ado-Ekiti, Nigeria

(10/2016)

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## ACADEMIC PROJECTS

**Maharishi International University (2024) Airline Reservation System:** Designed an airline flight reservation system, identified and created the Classes, designed a UML diagram for the relationships, and wrote code for the implementation of our design. Utilized Java

**Maharishi International University (2024) Bank Application:** Implemented an enterprise-level bank application, with various layers and functionality. Utilized Java, Spring Boot, Hibernate, Kafka, HSQL, MongoDB, AWS (EC2, S3, Lambda).

## PERSONAL PROJECTS

**Naija Cuisines 2023:** A restaurant application for users to make food orders, including an admin panel to view and manage sales, orders, and products. Utilized JavaScript, React, NextJS, Express, Chartjs, PayStack, Git, Nodejs, MongoDB.

**Camp Scout 2024:** [LINK](#) A social application for camp lovers to showcase sites visited and interact with other camp enthusiasts. Utilized HTML, CSS, JavaScript, React, Bootstrap, Material UI, Express, Nodejs, MongoDB.

## **CERTIFICATIONS**

AWS Cloud Practitioner: EC2, Lambda, S3, RDBMS, Amplify

## **VOLUNTEER WORK**

Build for Nigeria (NGO), IT Manager: led project efforts at installing network infrastructure for the company.