KAKWIRI STEPHEN

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SUMMARY

With a solid background of over 4 years in software development, including 2 years specializing in frontend development, I have honed my skills in creating high-performance and dependable Web applications. My expertise lies in utilizing cutting-edge technologies such as React, Next JS, Typescript, React Native, Flutter, and UI/UX design to deliver exceptional user experiences. Additionally, I am well-versed in the Software Development Life Cycle (SDLC) process, ensuring seamless software design, implementation, debugging, fixing, and maintenance. I am eager to leverage my experience and skills to contribute to a dynamic team and make a significant impact in the industry.

- Extensive experience in Node Js and Microservices design and implementation using Node Js, Express JS Typescript
- Proficient skills in Test Driven Development (TDD) and Design Driven Development (DDD)
- Skills at the expert level in developing mobile libraries for React Native to consume mobile APIs through platform channels.
- Experience in the deployment of containerized applications using Docker and Kubernetes.
- Expert-level skills in developing custom UI components for Flutter Applications.
- Developed applications while being part of engineering and Marketing decisions, which helped me learn more and acquire knowledge about basic business processes.

EXPERIENCE

Full Stack Engineer | ModernSoft Cloud
Jan 2023 - Present | KENYA

- Working on Smaat Saas solutions
- Design reviews before the project starts ensuring requirements are met for a smooth development process.
- Strengthening technology compliance and risk management by enforcing internal policies and industry/regulatory standards, resulting in enhanced information security.
- Coordinating efforts to identify vulnerabilities and develop cybersecurity remediation plans, ensuring a resilient cybersecurity framework.
- Played a vital role in integrating ERP, CRM, and HRIS systems, enhancing data sharing and cross-functional efficiency.
- Led initiatives to enhance data privacy and compliance, including GDPR compliance, through advanced technologies and impact assessments.
- Implementing secure IAM solutions, streamlining user access across systems and application using Amazon Web Services
- Optimized cloud resource usage, reducing costs while ensuring performance met requirements.
- Actively contributed to innovation by developing solutions to enhance compliance, efficiency, and information security.
- Collaborated with teams to identify process improvement opportunities and streamline operations.

Front-end Engineer Mentor | Ingressive For Good + Zuri Training
August 2022 - December 2022 | Remote (Nigeria + Kenya)

- Led a Team of aspiring frontend Developers on a complex Web development project, overseeing the design, development and deployment of high quality, user friendly applications.

- Mentored several junior developers on my team, helping them refine their coding skills and learn new technologies, providing guidance on career development and professional growth.
- Stayed up-to-date with the latest frontend development trends and best practices, regularly attending workshops and sharing my knowledge with colleagues and students.
- Achieved a 95% overall satisfaction rate from mentees as well as a 20% reduction in bug reports due to improved code quality.
- Guided junior developers in building 3 web applications over the course of a 4 month period increasing the team's speed and efficiency by 40%.
- Facilitated mentoring sessions and workshops , helping participants develop their technical skills building industry connections and setting their career paths.

Full Stack Engineer | Savannah Silica Community
Jan 2022 - June 2022 | Remote

- Migrated existing PHP codebase to NodeJS (express, React).
- Developed and maintained multiple web-based applications using React, Redux, JavaScript, and HTML/CSS, resulting in a 33% decrease in loading times and improved user accessibility.
- Utilized a CI/CD pipeline to deploy code across different environments and conducted unit testing to ensure code quality.
- Implemented responsive web design best practices, ensuring that web pages were optimized for multiple device sizes, browsers, and versions.
- Collaborated with business analysts, users, and QA team to ensure market quality and provide implementations/bug free.
- Switched the entire organization to be paperless in rent collection methods through integration with Equity's Jenga API, Mpesa's daraja API and Cooperative Bank.
- Applied UI requirements using React, Tailwind, React-redux and improved the performance of all React UI components.
- Incorporated new features such as dashboards, on-boarding flows, payment system, etc. to enhance the user experience and increased the user base by 15%.
- Worked in a team to develop and maintain mobile applications and services using mainly React Native, Nodejs, Typescript and Agile/SCRUM/Kanban methodologies.

Key Accomplishments:
- Significantly reduced problem resolution time by 50% which led to more time for project upgrades.
- Refactor the whole structure that reduced the memory usage by 30%

Software Developer | Multimedia University IT Club
September 2021 - July 2022 | Kenya

- Developed and implemented web applications into Sitecore systems using SCRUM Agile methods.
- Backed integration of restful API.
- Fronted development of a web app (Next.js and Tailwind CSS).
- Analyzed different alternatives to migrate AWS RDS DB Snapshots.
- Served as a Software Lead engineer for the smart agri Program.
- Conducted testing & validation to ensure web pages conform to government regulations and policy

Volunteer Experience

- **Nextjs Lead(Multimedia University of Kenya):** I was in charge of planning and coordinating with monthly Nextjs programming contests. This involved creating a budget and shortlisting candidates. Organizing and taking fellow students through short online teaching to know more about the language.
- **Logo Design:** Collaborated to design the company logo and other web pages. Created, Analyzed, and Implemented User Flows and mapped out pathways to ensure a smooth user experience.
- **Project management**: As a volunteer, I also took on project management responsibilities, helping to coordinate the work of other volunteers and ensuring that deadlines were met.
- **Mentoring:** One of my key roles with the ICT group was as a mentor to other volunteers who were learning frontend development. I provided guidance and support to help them improve their skills and contribute more effectively to the group's projects.
- **Quality assurance (QA):** As part of my work on the website, I also helped to test and debug the code, ensuring that it was free of errors and worked as intended.
- **Documentation:** I also contributed to the documentation of the group's projects, helping to create user manuals and other materials to support the group's users.

Projects

Reimagined-Shoppy - https://reimagined-invention-shoppy-kakwiristephen.vercel.app/
Experience the power of a compact yet robust data analysis platform that effortlessly transforms complex data into visually appealing graphs and charts

FORKIFY -https://forkify.com
This is a fully functional recipe application that is full stack

Natours - (Natours Site)
This is a full stack application. It's a web app for planning, booking and reviewing tours. Payment checkout using stripe has been integrated with all secured authentication

Speak-Omm https://phanox.vercel.app/
Crafted with care, my small eCommerce site offers a seamless shopping experience, showcasing a curated selection of products that cater to diverse tastes and preferences.

PowerPulse Mentor -https://muscle-mentor-kakwiri.netlify.app//
Gym & fitness web app. Discover new workouts and exercises through a vast library of fitness content

LinkedIn Clone- https://linkedin-clone-kakwiri.netlify.app/
An Adanian Lab subsidiary company for providing digital and marketing solutions for Business in the country

HomeSmart - https://kakwiri-homesmart-landing.netlify.app/
Tailwind Perfection

SKILLS

- **Programming:** React Native, Javascript, Golang, NextJS, Firebase, Nodejs, Redux, MongoDB /PostgreSQL, Currently learning AWS, OAuth JWT tokens, CI/CD, AUtomated testing, Performance Analysis and Optimization
- **Concepts:** Design Implementation, OOP, Leadership, Project Management, Entrepreneurial
- **Mobile Frameworks**: Flutter, Expo/React Native, TailwindCss
- **Web Framework**: Reactjs, Angular, Typescript, TailwindCss,Craft CMS
- **Version Control:** Git, Github, GitLab.

EDUCATION

Moringa School | Software Engineering   April. 2022-Nov. 2022
- Software Engineering
- App development
- Ui/Ux design
- Data Structures and Algorithms

Multimedia University | Bs Computer Science
- Computer Science
- HCIA datacom-Huawei Certified Network Engineer

CERTIFICATION
- HCIA Datacom-Huawei certification for network engineers specializing in routing and IPs
- Ip network sales specialist
- HCSA Intelligence Collaboration

INTEREST AND RECREATION
- Group Hiking
- Football
- Traveling
- Hackathons
- Robotics