

# Goffrey Mbai

## Fullstack Software Engineer | C# | .NET | REACT | TYPESCRIPT

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## SUMMARY

A skilled software engineer with three years of experience, adept in leveraging a diverse tech stack that includes C#, .NET, React, DevOps, React Native, Flask, and MSSQL Server for functions and stored procedures. Proven expertise in designing, developing, and deploying robust applications, with a strong focus on both front-end and back-end technologies. Recognized for exceptional problem-solving abilities and a collaborative approach to project execution, consistently delivering high-quality solutions that meet and exceed client expectations. Dedicated to continuous learning and staying abreast of emerging technologies, contributing to the overall success and innovation of development teams.

## EXPERIENCE

### Software Engineer

#### BusinessCloud Technologies

📅 12/2023 - Present 📍 Nairobi, Kenya

- Developed and maintained full-stack applications using C#, .NET, and React, ensuring seamless integration between front-end and back-end components. Implemented RESTful APIs and web services to enhance application functionality and performance. Designed and optimized SQL databases, creating and managing complex functions and stored procedures in MSSQL Server to support application requirements. Utilized DevOps practices, including CI/CD pipelines, to automate deployment processes and improve development workflows. Developed mobile applications using React Native, ensuring cross-platform compatibility and responsive user interfaces. Managed source code and version control using Git, facilitating collaboration and code integrity within development teams. Integrated Microsoft Identity for secure authentication and authorization, enhancing application security and user management. Collaborated with cross-functional teams to gather requirements, design system architecture, and implement robust solutions that meet business needs. Engaged in continuous learning and professional development to stay current with emerging technologies and industry trends, contributing to the overall innovation and success of projects.

#### • Software Engineer

##### Siweb Technologies

📅 10/2022 - 11/2023 📍 Nairobi, Kenya

Designed and developed full-stack web applications using Laravel, CodeIgniter, Flask, and React.

Implemented RESTful APIs and integrated them with front-end frameworks to ensure seamless user experiences. Created responsive and dynamic user interfaces using React, ensuring cross-browser compatibility and optimizing performance.

Developed and maintained server-side logic, database schemas, and complex queries using Laravel, CodeIgniter, and Flask. Utilized Git for version control, managing code repositories, and collaborating with team members on development projects.

Managed server configurations and deployments to ensure high availability and scalability of applications.

Collaborated with UI/UX designers to translate design mockups into functional and visually appealing web pages.

## PROJECTS

### Project Monitoring Software

Developed a comprehensive Project Monitoring and Evaluation software using C#, .NET, React, MSSQL Server, Docker, Azure, and Git. This solution facilitated real-time tracking of project activities, advanced data visualization for better insights, seamless integration with Azure services for scalability and security, Git for version control, and customizable reporting functionalities.

### SaaS Accounting Software

Developed SaaS accounting software which included key business processes from procurement, inventory management, order to cash and general accounting principles. Leveraged on C#, React, Docker, Azure, Microsoft Identity and .NET

### Multivendor Ecommerce

Developed a robust Multivendor E-commerce platform tailored for the sale of furniture and home decor items. Leveraged Flask, React and MySQL to provide seamless functionality for both buyers and sellers. Key features include Multi-vendor functionality, payment gateway integration, customized user interfaces, advanced search and filtering capabilities, and a comprehensive admin panel for efficient platform management

### Classification

Developed a Pneumonia Detection Web Application utilizing Flask, Python, Git, and React. Integrated machine learning algorithms to accurately identify pneumonia from chest X-ray images. Responsibilities included architecture design, Flask backend implementation, Python model development, Git version control, React UI design, testing, and deployment. Application aimed to aid healthcare professionals in efficient diagnosis and treatment planning.

### Top Marine

Developed a comprehensive shipping and logistics shipment software using C#, .NET, React, MsSQL, Docker, Azure, and DevOps. The web app allows users to track their shipments from when they are loaded to when they're offloaded. Users can raise tickets and get quick insights into their shipments

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## Junior Software Engineer

### IOSOFT TECHNOLOGIES

📅 01/2022 - 09/2022    📍 Nairobi, Kenya

Development and maintenance of web applications using PHP, Codeigniter, Flask, React, and MSSQL Server, ensuring seamless functionality across front-end and back-end systems.

Utilization of version control systems such as git to manage codebase and facilitate team collaboration.

Collaboration with cross-functional teams to gather requirements, analyze user needs, and translate them into technical specifications.

Customization and configuration of CMS platforms like WordPress to meet client requirements and project objectives.

Participation in code reviews and quality assurance processes to maintain code integrity, scalability, and security.

Continuous learning and exploration of emerging technologies to stay updated with industry trends and best practices.

## Web Developer

### AutoDeed Solutions

01/2021 - 12/2021

Proficiently utilized PHP, HTML, CSS, and Bootstrap to develop and maintain dynamic and visually appealing websites.

Employed git for version control, ensuring efficient collaboration and code management within the development team.

Implemented and customized WordPress CMS to create scalable and user-friendly websites for clients.

Contributed to the planning and execution of website projects, ensuring adherence to client requirements and industry best practices.

Collaborated with designers and stakeholders to translate project specifications into functional and aesthetically pleasing web interfaces.

## Web Developer

### Office Partitions Limited

Implemented and customized content management systems (CMS) such as WordPress to meet client requirements, providing scalable and user-friendly solutions.

Contributed to the creation of responsive and accessible web designs, adhering to industry standards and best practices.

Ensured seamless version control and collaboration through the use of Git, facilitating efficient team workflow.

Proficiently utilized PHP, HTML, CSS, and Bootstrap to develop dynamic and visually appealing web applications.

Collaborated with cross-functional teams to gather requirements, troubleshoot issues, and deliver high-quality projects within specified timelines.

## EDUCATION

### Bachelor of Science in Informatics

#### Moi University, Kenya

📅 01/2017 - 01/2023    📍 Eldoret, Kenya

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## Mobile Applications

### eMEL

Mobile Application for the project monitoring and evaluation software. Developed using React Native, Microsoft identity and Expo. We extended the web functionalities to the mobile application

### iBusiness

iBusiness is mobile application for the accounting saas to enhance ease of use. We leveraged on React Native, Microsoft Identity, Expo and Firebase to integrate the key accounting saas processes. The app was integrated with offline awareness to enable all time access

### TopMarine

Top Marine is mobile app developed using React Native, C#, Expo and Microsoft identity. It is a shipping logistics tracking application where shippers can track their shipment logistics from where they're boarded to offloading. Users are notified on any change in their shipment status in real time, they can raise tickets and inquire on their shipments.

### iComms

iComms is an mobile application geared towards enhancing business and county administrative operations for key business and government agencies. it leverages on React Native, Firebase, JWT token authentication, SQL and Flask for the API