

BONIFACE M MWANGI

SOFTWARE ENGINEER

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SUMMARY

Boniface is a performance-driven and self-motivated Full-Stack Engineer with 7+ years of experience in software development. Grounded firmly in technologies such as React.js and Node.js, Boniface excels at crafting innovative applications that are both intuitive and functional. He also demonstrates a strong command of JavaScript, as well as of testing methodologies, employing tools like Jest for unit, integration, and end-to-end tests. His understanding of Git ensures seamless code management, while his familiarity with cloud environments, particularly with Amazon Web Services (AWS), allows for scalable and resilient deployments. A team player by nature, Boniface thrives in team settings, where he blends his problem-solving prowess with a genuine enthusiasm for developing systems that elevate user experience to produce unparalleled solutions.

PROFESSIONAL EXPERIENCE

Unilever Canada, Canada

March 2023 to Aug 2023

Remote Full-Stack Software Engineer

- Modernized the pricing optimization tool (TPO) by migrating to React.js, resulting in significant performance improvements and an enhanced user experience.
- Upgraded the UI framework from Ant Design (AntD) 4 to AntD 5, facilitating seamless integration with legacy components.
- Optimized the Django backend to ensure smooth synchronization with front-end updates and maintain system stability.
- Efficiently utilized Microsoft Azure and Azure DevOps for hosting and deployment, ensuring a robust and scalable infrastructure.
- Guarantee services continuous deployment ability through a continuous integration workflow.

PlayHT Ltd, United Arab Emirates

September 2021 – December 2022

Remote Full-Stack Software Engineer

- Designed and developed software components (React) and comprehensive unit tests (Cypress/Jest/Mocha/Chai).
- Translated business requirements into functional code.
- Collaborated closely with a multidisciplinary team of developers and product managers, fostering efficient communication and project alignment.
- Maintained the integrity of the software product codebase, adhering to coding standards and best practices to deliver reliable solutions.
- Engineered scalable software solutions that accommodated growing user demands and evolving business needs.

Owera Ltd, Zurich, Switzerland / Surat, India

Jun 2020 – July 2021

Remote Full-Stack Web Developer / Development Lead

- Designed database schemas and APIs and defined the foundational database structure for the Freelance Marketplace Application – Owera.
- Led a team of 5 engineers to design the frontend in React JS (with re-usable styled components) and SaSS and the backend in PHP (Slim)
- Developed a customised calendar solution to facilitate precise time interval selection and highlighting.
- Delivered an optimized, responsive, and cross-browser compatible UI with efficient resource utilization and rapid API throughput.

Hope Worldwide Kenya, Nairobi, Kenya
Systems Support Admin / Software Developer

Jan 2018 – May 2020

- Took a lead developer role in several Agile structured projects to develop customised software solutions.
- Established clear infrastructure, toolsets, and deployment pipelines to support in-house software development.
- Mentored HWWK staff on Data Management, contributing to their National Data Innovation Excellence Award.
- Championed the transition from LAMP stack to MERN stack for all in-house application development, reducing latency by 40% and improving database administration by 20%.
- Initiated the development of the Android-based Health Educational/Social App "BIGAT" to promote safe social environments and health awareness.
- Collaborated using Jira/Git, Developed solutions in ReactJS, NodeJS Express and PHP, Tested solutions with Enzyme/Cypress/Mocha & Chai

Truweb Solutions, Nairobi, Kenya
Database and Systems Support Assistant

Jan 2016 – Dec 2017

- Proposed cutting-edge technologies to improve the Companies in house ERP and Service Delivery Systems.
- Optimized database queries and SQL procedures in a client's systems to improve performance by 40% on average.
- Some of the projects done during this period include development of a Student Admission System, Email Address Retrieval System, Memo Dispatch System, and Records Management System.

Parttime Freelance Projects

Kirana Inventory System with Barcode Scanner - React Native / Backend Developer (Jun 2018 - Dec 2018)

- Developed a prototype Inventory Management app for Android.
- Implemented a Barcode detector using React Native and the Android Device Camera for image capture.
- Utilized Realtime and Firestore Database, along with NodeJS for the Backend.

Quickeats Food Delivery App - Fullstack / Android Developer (Aug 2018 - Jan 2019)

- Managed the development project for a fast-food ordering and delivery app - Quickeats.
- Designed the backend of the application using PHP, Postgres DB, and MongoDB for the Chat Application.

General Development Services

- Website design and development for various industries including hospitality, e-commerce, catering, construction, and upholstery.
- Support and Maintenance engagements for Web and Mobile Applications.
- API Integrations in REST and GraphQL.
- General consultancy in Software Solutions Development and Deployment.

EDUCATION

Karatina University, Karatina, Kenya
Bachelors of Science in Information Technology

Sep 2019

Karatina University, Karatina, Kenya
Diploma in Information Technology

Nov 2015

SKILLS

- **JavaScript** - React JS / React Native /jQuery /VueJS / Vanilla / Redux /NextJS /Angular
- **Backend Development** – NodeJS / PHP
- **Dev-ops & Cloud** – AWS / Amazon S3 / MS Azure / GCP / Heroku / Docker
- **Databases** – Realtime Firebase / Firestore / Postgres / MySQL / MongoDB
- **Collaboration Tools** – Git / Jira / Postman / Slack
- **Video / Chat Integrations** – Twilio API/ Zoom API / WebRTC / PeerJS / SimplePeer JS

Referees

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