P.O. Box 73025-00200
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NICHOLAS KIPKOECH

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Summary

Full-stack engineer with 5+ years of experience building and scaling payment and financial systems across Africa. I specialize in designing user-first features, integrating core financial services (banks, Gmail API, QuickBooks), and delivering end-to-end solutions from backend APIs to mobile dashboards. Proven track record of collaborating across engineering, product, and support to ship impactful software in production. Eager to join a mission-driven team like Wave to simplify how people pay and get paid.

LANGUAGES AND TECHNOLOGIES

- Languages: Active - JavaScript/TypeScript,Past - Python, learning Go
- Tools/Frameworks/Libraries: React, React Native, NextJS, NodeJS, ExpressJS, MongoDB, PostgreSQL, Github,Django REST
- DevOps: Github Actions
- Infra: Aws (EC2), Docker,Google Cloud, Kubernetes

EMPLOYMENT

Open Source Developer(part time)　　　　　**ZinZen**　　　　　**Jul 2024 - Present**

Responsible for building and maintaining React frontend for Dutch startup
(https://github.com/tijlleenders/ZinZen)

- Built the frontend of the life planner app in React. Enables users to enter goals with fuzzy time constraints like "read 1hr daily after 7 and before 10" and calculates a schedule with specific start and end times based on the provided constraints.
- Refactored codebase for improved maintainability and readability.
- Reduced frequency of bugs by including React integration tests in CI.
- Improved functionality of frontend by fixing bugs and adding a helper module (TypeScript) that filters tasks received from the back end by start date.
- Collaborated with a global team of developers to enhance app features and resolve bugs using flutter.
- Implemented dark mode feature on the app which improved the functionality of the app.

FullStack Developer　　　　　**Icon Limited**　　　　　**Oct 2023 - Present**

- I worked on an innovative invoicing system integrated with ETIMS (Electronic Tax Invoice Monitoring System).It facilitated seamless invoice generation, transmission to ETIMS, and storage of transaction data. Additionally, the system automatically generated sales receipts with embedded QR codes, providing a convenient method for verifying transactions and enhancing accountability.
- Developed an insurance client portal that allowed clients to apply for insurance online, reducing client-company interactions by 80%.
- Developed a performance dashboard to display insurance productivity, fetching and presenting data based on selected periods.This minimized the use of hard copy reports for analysis.
- I developed a mini API that efficiently processes large datasets from an Oracle database and writes them to Excel, significantly reducing user interaction and completely eliminating user input errors.
- Built a mobile application that was used by company directors to check the insights and productions of the company.

Senior Software Developer   **Nyumba Zetu**   **Jan 2022 -Present**

At **Nyumba Zetu** which is a property management system I was responsible for enhancing financial transaction processes through the following key contributions:

- **Payment Integrations:** Worked on integrating payment solutions with local banks and major banks, significantly improving the payment reconciliation with customers and property owners.
- **Gmail API Integration:** Integrated the Gmail API into the system, allowing the company to automate the processing of incoming bank emails, streamlining payments and communication.
- **QuickBooks Integration:** Successfully integrated QuickBooks, which minimized the need for customers to interact with third-party software, thereby simplifying accounting and financial reporting.
- **Payment Matching Algorithm**: Developed a payment matching algorithm that automatically links invoices to payments based on the response sent by payment gateway, reducing manual reconciliation efforts.

Through these integrations, the system was able to handle millions of Kenya Shillings in daily transactions, greatly improving accuracy and efficiency.

Software Developer   **XOBO**   **Sep 2021 - Feb 2022**

  During my internship at XOBO Logistics, I was primarily responsible for building a company marketing website that effectively represented the brand and its services. My key tasks included:
- Collaborated with the marketing team to gather requirements and understand the target audience.
- Developed the website using [technologies used, e.g., HTML, CSS, JavaScript, React, etc.].
- Ensured the website was responsive, user-friendly, and aligned with the company's branding guidelines.
- Worked on optimizing the site for search engines (SEO) to increase visibility.
- Assisted in the deployment and maintenance of the website, addressing any issues that arose post-launch.
- Used most of my free time learning Node Js and databases.

EDUCATION

Nairobi, Kenya   **Zetech University**   **Sept 2019 - Aug 2022**
- Diploma in computer software engineering.
    - Coursework: Data Structures and Algorithms, System Analysis and Design, Computer Architecture, Information Technology Business Planning, Networking

PERSONAL PROJECTS

- **Personal website:** Nicholas Kipkoech
- **Github profile : Github**

- **LinkedIn profile :** linkedin profile