

# Brian Mboya

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## Senior Software Engineer

Solutions-driven professional with hands-on expertise in designing, integrating, and testing software systems. Adept at conducting in-depth research for navigating emerging technologies and tools to deploy large-scale hybrid cloud platforms and applications. Tech-savvy expert; proficient in multiple programming languages and DevOps technologies. Skilled in coaching and training technical staff to improve productivity. Keen comprehension in writing and maintaining automated tests and liaising with DevOps team for migrating products to Jenkins pipeline hosted on servers. Creative thinker and problem-solver with strong interpersonal, leadership, and communication skills.

## Areas of Expertise

♦ Infrastructure Management	♦ Software Design & Architecture	♦ Team Leadership & Training
♦ Research & Development	♦ System Maintenance & Updates	♦ Technical Troubleshooting
♦ Software Testing & Debugging	♦ Continuous Process Improvement	♦ Cross-functional Collaboration
♦ Academic Research		

## Technical Proficiencies

SQL | Docker | Python | JavaScript | Linux | PostgreSQL | MySQL | ReactJs | Redux | Git | AWS | Agile Development | Vim

## Career Experience

### Soapbox Inc., California

April, 2022 – Present

#### Senior Software Engineer

Lead all facets of storefront, order, inventory, warehouse, and shipping operations. Establish back-end algorithms to implement efficient React components for users. Utilise Docker for deployment of containerization process. Coordinate multiple third-party APIs and manage data received from all storefronts such as Amazon, Etsy, Shopify, and Walmart.

- Streamlined workflow by introducing new API integrations into the system that scaled to 20 daily warehouses each warehouse handling over 1 million orders.
- Optimised performance by providing exceptional training to new junior engineers that saw an increase in productivity in development and feature acceptance by 30%
- Maintained support for Shippo, UPS and Easypost carrier services like Fedex, UPS and DHLCommerce that increased the amount new customers by 15%

### Software Engineer

July, 2020 – April, 2022

Worked on integrating 3PL Logistic packaging technology in our system that enabled faster and better ways for our customers to manage their warehouses. Provided DevOps support and maintenance by implementing new scripted to automate the workflow of running code on AWS service.

- Optimised performance of the system by refactoring existing code to use new and faster technology. This was a tremendous boost in the performance of the system by 40% faster than the initial system

### TheBhub, Nairobi

Jan, 2020 – July, 2020

#### Software Engineer

Manage system configuration and maintain source code for both server as well as client side. Automate deployment process of source code whilst ensuring customers are updated daily about the health of the system through automated notification. This saw an increase in better customer feedback and growth in the system's daily user visits to 1 million users.

- Conducted Research and posted new programming and examined findings for publication.
- Gained in-depth understanding of algorithms through my research for building a scalable system that scaled based on users visits. The system scaled to 2 million daily users.

## **Andela, Nairobi**

**Jan, 2018 – Oct, 2019**

### **Software Engineer**

Provided mentorship to the new engineer's team and guided on the whole code-base. Established CircleCI CI/CD pipeline for automating testing components and deployment process, whilst maintaining a steady release cycle. Collaborated with DevOps team for migrating product to Jenkins pipeline hosted on servers. Created and maintained Relational Databases (PostgreSQL, MySQL) on GCP/AWS by using terraform for IAC.

- Integrated with third-party APIs, processed data, mentored engineers to attain top performance levels which saw an increase in faster data processing and low latency in the system
- Achieved system-level environment isolation and prepared complete containers by deploying containerization through utilisation of Docker. This ensure seamless deployment of our system and growth in productivity by 27%

## **Additional Experience**

Software Engineer, Craftux, Nairobi

Volunteer, Trend in Africa, Nairobi

## **Education**

B.Sc. in Computer Science | Dedan Kimathi University of Technology, Nyeri

Coursework: Data structure and Algorithms | Artificial Intelligence | Mathematics and Statistics

Summer course in Computational Neuroscience and ML | TReND in Africa