

Karanja Mutahi

Seeking Full Time Software Engineering Roles starting in 2021

WORK EXPERIENCE

Goldman Sachs, London — Software Engineering Intern

JUL 2020 - AUG 2020

Implemented a distributed cache service in Spring Boot using Apache Ignite DB on Kubernetes which reduced fetch time by 55% across all regions (Americas, EMEA & APAC).

Implemented an entitlements API in Native Java which amalgamated 8 different entitlements databases across the firm. Reduced entitlement complexity by providing 1 point of reference as opposed to 8.

Implemented a metrics collection service in Prometheus format which served as a service level indicator. Increased the firm's monitored services by 2 & improved SRE compliance.

Novek, Nairobi — Embedded Software Contractor

JUL 2019 - FEB 2020

Implemented a Slack bot in Python to carry out realtime machine monitoring and deliver daily device performance reports. Saved the firm >200 minutes every week.

Implemented secure OTA feature for IoT devices thus reducing firm's expenses towards sending people to the field to debug and update devices.

BRCK, Nairobi — Software Engineering Intern

JUL 2018 - AUG 2018

Implemented a visualization script in Python to fetch datapoints from IoT devices in the field and display them on a Google Sheet for monthly customer reports. Reduced report generation time from 2 days to 15 minutes.

PROJECTS

Sick Fits — E-commerce web application(GraphQL, Node JS,Next JS)

<https://karanja-sickfits-frontend.herokuapp.com/>

Mboga App — Vendor Aggregation USSD service(Python Flask)

USSD app to reduce wastage among low income fresh produce vendors

Mess Bot — Food ordering chat bot(Node JS, Telegram Bot API)

Chat bot to facilitate food ordering within the school cafeteria.

Nairobi, Kenya

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EDUCATION

Jomo Kenyatta University, Nairobi

B.Sc. in Electrical & Electronics Engineering

Expected Graduation: Feb 2021

Relevant courses: Linear Algebra, Multivariate & Complex calculus, Digital Systems Design, Object Oriented Programming, Structured Programming

SKILLS

Python: 3 years experience

Javascript: 2 years experience

Unix: 2 years experience

Java: 2 years experience

C/C++: 1 year experience

Kubernetes: 1 year experience

AWARDS

Microsoft Imagine Cup, Kenya

2018 - Winner

Won the Kenya round for the Mboga App.

LEADERSHIP EXPERIENCE

Projects Lead - Engineering Society (2017)

Built a collision avoidance robot to demo to high school girls and encourage them to join STEM courses.

Job Shadow - Goldman Sachs

Shadowed the Global CTO for a week following good performance on the internship program and got a return offer for a full-time role.