Brian

Kyalo

Software Engineer
Cloud Engineer Data
Scientist

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Skills and Technical Proficiencies

Full stack software engineer with competencies in Python, TypeScript, Node, Java, Elixir and GO.

Well versed in web development with popular JS frameworks, ie Angular, NextJS and Svelte.

Proficient in setting up, deploying and running apps on GCP and AWS.

Cross platform mobile app development using Flutter, Ionic framework and React Native.

Database knowledge in both SQL and NoSQL databases—Firestore, PostgreSQL, MYSQL and MongoDB.

REST APIs knowledge, both creating and consuming, with comprehensible documentation to match.

Building AI/machine learning models that convert data points into interpretable business insights.

Proficient in version control (Git)

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Experience

Pangoni / Chief Software Engineer, Tech Lead

FEB 2023 - PRESENT*

Built and oversaw a comprehensive solution in the form of a cutting-edge web app that combines credibility and convenience to transform the property listing experience and significantly easing the workload of realtors and enhancing the overall experience.

KOR Connection / Frontend Software Engineer, Mobile Engineer

Worked with UI/UX designers to deliver an aesthetic and user-friendly web and mobile app experience for the fintech solution. We made a complementary mobile app and shipped it as an installable PWA too.

TPN / Chief Software Engineer, Tech Lead, Full stack SWE

MARCH 2021 - JANUARY 2023

Developed a WSI web-based viewer (for telepathology) and the startup's operational management software. These, along with a PWA and mobile application, were vital for increasing the efficacy of cancer diagnoses among many others.

Ada Labs Africa / Data Scientist, Full Stack Software Engineer
JANUARY 2021- MARCH 2021, NAIROBI

Developed both the PWA and iOS mobile app for the women empowerment platform, twaa.io. I also developed a machine learning algorithm that automates proposal approvals for Climate Fund.

Subway / Lead Software Engineer
NOVEMBER 2019 - JANUARY 2021, NAIROBI

I developed a desktop application, a web app, the necessary APIs and the complementing mobile app for this software used to run and manage beauty businesses' operations.

Dealpeek Ltd / Fullstack Software Engineer
AUGUST 2018 - JULY 2020, NAIROBI

Led a team to develop a coupon and deals app, on both iOS and Android platforms, along with the web application for the startup's business partners to notify its users about deals and discounts within Nairobi's central business district and its environs.

Flag 42 / Software Engineer
JANUARY 2017 - JULY 2017, NAIROBI

Developed an audio fingerprinting and recognition algorithm to detect a song's airplay on radio. This was to combat unauthorised playing of an artist's IP.

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Education and Certifications

Coventry University / Msc. Data Science and Computational Intelligence
SEPTEMBER 2018 - SEPTEMBER 2019, COVENTRY, U.K

Finished my postgraduate degree in Data Science. For my final project, I developed a deep learning powered mobile app that uses a smartphone's native camera to detect the nutritional and caloric content of a meal from the picture taken.

Strathmore University / Bsc. Informatics and Computer Science
JULY 2014 - JULY 2018, NAIROBI, KENYA

Completed my undergraduate degree in Computer Science.

Moringa School / CodeRamp
JULY 2016 - SEPTEMBER 2016, NAIROBI, KENYA

Enrolled in a 5 week coding bootcamp where I honed my skills in web development.

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Awards

Application Security Analyst Explorer Award for Students 2016, issued by IBM.

Collaborated in a team-focused environment providing software solutions to diverse industry

clients.

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Soft Skills

Ability to work well with others as well as individually.

Adaptability and propensity to learn new languages and programs.
  Very receptive to feedback and open to criticism.