

# Rutakayile Samuel

✉ [samuel.rutakayile@gmail.com](mailto:samuel.rutakayile@gmail.com) / ☎ +250-782-687-954

in [/sam-rutakayile](#) / [@rutaks](#) / [rutaks.github.io](#)

## Education

**Adventist University Of Central Africa**

2016 – 2021

*Bsc., Software Engineering. (Top performer with Grand Distinction)*

## Experience

**Software Engineer** (*Irembo*)

Jul. 2021 – Present

- Engineered a configurable and performant data visualization/reporting tool used by over 3,000 users; resulting in cutting cost from monthly SaaS usage & allowing use of large, redacted residency data.
- Redesigned internal SMS & e-mail notification service to apply Fallback & Circuit Breaker Pattern. Ensuring performant & continuous delivery of over 10,000 notifications on a daily basis
- Co-authored a Support Engineer Handbook that assisted in slashing P1 & P2 bugs of legacy project by an average of 70% in less than 3 months
- Spearheaded implementation of Twelve-Factor App methodology into project's front-end to reduce build time by 2mins and add portability of the project

**Software Developer** (*Awesomity Lab*)

Aug. 2019 – Jul. 2021

- Developed desktop application allowing the automation of scheduling shift for Ride Hailing company, reducing time of scheduling shifts for car drivers from 1 week to 1min
- Co-led team of 4 developers in the design & implementation of the gamification module of an Ed-Tech platform.
- Optimized query performance legacy Java API from 2s to 100ms per request through request caching, payload limiting & optimizing SQL queries.
- Developed mobile solution for Fin-Tech platform that allowed larger audience reach, insightful analytics.

## Certifications

**IBM Security Intelligence Engineer - Mastery Award**

2018

<https://www.credly.com/badges/0112262a-c3c1-4737-b4c8-7a8dbf761681>

## Projects

**TypeORM Query Builder Extended (NPM Package)**

<https://github.com/rutaks/typeorm-query-builder-extended>

A Typescript package that allows querying(filtering & sorting) in an SQL DB through HTTP query parameters

**Algorithm Visualizer (Web App)**

<https://github.com/rutaks/algo-visuals>

Web app for visualizing steps taken during an algorithm operation in an interactive & customizable manner.

## Technical Skills

- > Languages: TypeScript, JavaScript, Java, Python, SQL, Bash, C++, Swift
- > Frameworks & Libraries: NestJS, TypeORM, ExpressJS, Spring, Hibernate, SOLR, Lucene, React Native, NextJS, ReactJS, AngularJS
- > Tools: Git, Linux, Docker, Gradle, Maven, NPM, Yarn, Yeoman, Github Actions, TravisCI, Jenkins