

# Joshua Kumi Asare

## Front-End Software Engineer

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### Professional Summary

Front-end software engineer with excellent problem solving skills and over 4 years of experience in building modern UI/UX with current front-end technologies and scalable back-end systems with RESTful APIs and GraphQL. Comfortable using both OOP and functional programming paradigms.

### Relevant Experience

#### Senior Software Engineer (React-Native) @ ColorElephant Lda, Porto, Portugal

May 2020 - Present | Remote

- Led a team of 3 front-end engineers to develop the mobile client of an AI-driven custom financial analysis tool with React Native, GraphQL (Apollo) and Highcharts.
- Developed a offline/online political crowd support application with react and react-native using realm offline mobile database for data persistence.
- Set-up pipelines with automated unit and integration tests in bitbucket for safe deployments.
- Implemented a comprehensive over-the-air updates automated pipeline for non-native updates in mobile applications using Microsoft Appcenter and code push.

#### Front-end Engineer @ Asqii LLC, Kumasi

May 2019 - May 2020 | Remote

- Develop hybrid apps for Android and IOS platforms using react-native.
- Implement backend systems mainly using Node JS, typescript, and MySQL database.
- Develop apps that integrate well with NoSQL databases and leverages serverless OAuth features such as Google authentication and cloud messaging platforms like Twilio.
- Write high quality, documented and maintainable code using SOLID principles and Test-driven development.
- Set up CI/CD with GitLab for fast and safe deployments.
- Reduced battery usage by ~25% and start-up time of existing applications using recommended design patterns.

#### Software Development Support @ Intercity STC Ltd

May - Sept 2018 | Accra (GH)

- Built a web application for the administration of the technical services department using HTML, CSS and jQuery.
- Worked closely with 2 other developers to engineer a real-time application for bus scheduling and keeping track of moving buses for STC bus terminals.
- Reduced institution's expense by ~2.3% and increased efficiency through digitization.

#### Front-end Engineer @ Schooldesk

May - October 2017 | Kumasi (GH)

- Collaborated with a team of 6 made up of interns and engineers to develop a school management system for elite schools.
- Proposed and implemented project structure for front-end and backend applications.
- Developed, tested and maintained code for client and internal websites mainly using React and Node JS.
- Interfaced with clients to author well documented software requirement specifications for projects.

### Education

#### Kwame Nkrumah University of Science and Technology

BSC. Computer Engineering,  
2015 - 2019 | Kumasi (GH)

### Skills

#### Programming languages

JavaScript, Typescript, C/C++, Java, Html, CSS (and SASS), Python, Go, Dart

#### Libraries and Frameworks

Node js, Express Js, React/React Native, Flask, Electron, Tensorflow, webpack, GraphQL (Apollo)

#### Data

MySQL, MongoDB, Firebase, Realm, SQL-lite

#### Tools and Platforms

Git, Google Cloud Platform, Heroku, AWS, GitLab, Adobe XD, Trello, Slack, Teams, Atlassian

### Projects

#### REACT-CIRCULAR-CAROUSEL

An open source carousel library for react  
React, styled-components, CSS, Javascript

<https://github.com/Joshuaasare/react-circular-carousel>

<https://react-circular-carousel.netlify.app>

#### MMDA SUITE

An offline-persistent web and mobile platform for revenue collection.

React/React Native, Node JS, GraphQL, Realm DB, MySQL

<https://github.com/Joshuaasare/mmda-suite>

#### SCHOOLDESK

An entire school management software suite (Mobile, web, desktop).

React JS, React Native, Golang, MySQL, DataStore, GCP, Python, Electron

<https://schooldesk.cc>