

# Benjamin ARKO AFRASAH

## Senior Software Engineer

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## PROFESSIONAL SUMMARY

Detail-oriented high-level software engineer who offers versatility and a strong work ethic. Effective and highly skilled leader in the software development arena, offering expertise in leading well-developed teams. Committed to meeting project milestones in a timely fashion. Desires an opportunity to develop desktop, mobile and web applications for a winning enterprise.

## SKILLS

Programming Languages	Python, JavaScript, Typescript, NodeJs, HTML, CSS, Go
Frameworks	React Native, ReactJS, Flask, Java Android, ExpressJs, Tensorflow, Dialogflow
Databases	MySQL, PostgreSQL, MongoDB
Prototyping tools	Adobe XD, Figma
Development tools	IntelliJ Idea, Pycharm, Webstorm, Visual Studio Code, Eclipse, Maven, Adobe XD
Operating Systems	Ubuntu, Windows, Deepin, Linux Mint, Elementary OS

## PROFESSIONAL EXPERIENCE

CURRENT September 2019	<b>Backend Developer   Software Engineer, ASQII LLC, Ghana</b> <ul style="list-style-type: none"><li>Assisted my colleague with the development and maintenance of SchoolDesk.</li><li>Developed the backend for an asset management system.</li><li>Implemented an examination room assignment system for KNUST.</li></ul> <div>Pycharm Visual Studio Code Python Flask Typescript Javascript MySQL Slack ReactJS React Native</div>
CURRENT September 2019	<b>Teaching Assistant   National Service Secretariat, KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY, Ghana</b> <ul style="list-style-type: none"><li>Assisted lecturers in the following courses; C programming, Classical Control Systems, Software Engineering 1 and 2, Basic Electronics</li><li>Marking quizzes, lab reports, assignments and preparing continuous assessment for students.</li><li>Organizing tutorial sessions to help students have a deeper understanding of the course.</li></ul> <div>Pycharm Visual Studio Code Python Flask Typescript Javascript MySQL Slack ReactJS React Native</div>
March 2019 December 2019	<b>FullStack Developer   Freelance Software Engineer, MITWORKS, Ghana</b> <ul style="list-style-type: none"><li>Implemented a full-stack mobile application, Votebook; A voting based mobile application.</li></ul> <div>Visual Studio Code React Native NodeJS MySQL</div>
January 2020 December 2019	<b>FullStack Developer   Freelance Software Engineer, REMOTECH LLC, Ghana</b> <ul style="list-style-type: none"><li>Implemented a full-stack mobile application, Automote; An IoT based mobile application for controlling the lightening system of homes, offices and street lights.</li></ul> <div>Visual Studio Code React Native NodeJS MySQL</div>
August 2019 January 2019	<b>Android Developer   Backend Developer, MILLENNIUM PROMISE ALLIANCE, Ghana</b> <ul style="list-style-type: none"><li>Implemented the back-end service for a software called RDLS which helped midwives to contact laboratories and send samples to request a lab test.</li><li>Implemented the mobile app for cRDLS</li></ul> <div>Visual Studio Code Pycharm React Native NodeJS MySQL Python Flask</div>
August 2018 June 2018	<b>Backend Developer   Intern, ASQII LLC, Ghana</b> <ul style="list-style-type: none"><li>Conducted maintenance and code reviews on SchoolDesk application.</li><li>Quality Assurance testing.</li><li>Assisted the company in marketing the SchoolDesk Application to the general public.</li></ul> <div>Pycharm MySQL Python Flask</div>
August 2017 June 2017	<b>Backend Developer   Intern, APPATECH RESEARCH GHANA, Ghana</b> <ul style="list-style-type: none"><li>Code maintenance and debugging.</li><li>Worked together with my colleagues in resolving bugs and issues.</li></ul> <div>Pycharm MySQL Python Django</div>

## LANGUAGES

English ●●●●●  
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## STRENGTHS

- Passionate
- Leadership
- Team player

## HONORS AND AWARDS

- 2019 Summa Cum Laude of Computer Engineering Class of 2019 in KNUST
- 2018 Excellent and Best Student in Computer Engineering
- 2017 Excellent and Best Student in Computer Engineering
- 2015 Magna Cum Laude of Class of 2015 at Kumasi High School Science 3

## PROJECTS

### SCHOOLDESK

2018 - CURRENT

 <https://schooldesk.cc>

A school management software with accounting capabilities and timetable generation feature.

Visual Studio Code Pycharm React Native NodeJS ReactJS Python Flask

### IDOC

2019 - CURRENT

 <https://idoc4u.com>  Google Playstore

This project is to help clients to easily access and communicate with their doctors without the need of always going to the hospital.

React Native NodeJS ReactJS

### VOTEBOOK

2019 - 2020

 Google Playstore

A generic voting based mobile application.

React Native NodeJS

### AUTOMOTE

2019 - 2020

 Google Playstore

An IoT based mobile application for controlling the lightening system of homes, offices and street lights.

React Native NodeJS

### PROJECT AQUANAUT

2018 - 2019

 [github.com/aquanautpro/aquanaut-community](https://github.com/aquanautpro/aquanaut-community)  Final Year Project, KNUST

A Data Analytics Platform and sensor node for leakage detection and management in water distribution networks.

NodeJS ReactJS Python Flask

### ERRANDA APP

2018 - 2019

 [gitlab.com/ACESIV/back-end/errand-boy-main-backend](https://gitlab.com/ACESIV/back-end/errand-boy-main-backend)  Software Engineering II, KNUST

This project presents a system that allows users post errands they want to be run so errand guys can bid and run the errands for a fee.

Python Flask React Native ReactJS

### CODEFORME

2018

 [github.com/Silvrash/codeForMe](https://github.com/Silvrash/codeForMe)  Artificial Intelligence Project, KNUST

This project used AI to convert speech to python code. (Natural language to code platform using semantic parsing and artificial neural networks).

ReactJS Python Tensorflow Flask

### BOOKIT

2017

 [gitlab.com/facta01/BookIT](https://gitlab.com/facta01/BookIT)  Software Engineering Project, KNUST

This project helps students to book buses to convey them to their destinations during school breaks and vacations.

Java Android Python Flask

### EGG COLLECTOR

2017

 [gitlab.com/benjin/egg-collector](https://gitlab.com/benjin/egg-collector)  Exchange Program Project, KNUST

A computer vision-based project for egg detection and determining if an egg is viable or not, grouping the eggs into those which are good and the spoilt ones.

Python Arduino

## MovX

2016

 [gitlab.com/benjin/movx-android](https://gitlab.com/benjin/movx-android)  Personal Project

A mobile application for keeping track of movies, reading and viewing latest trends of manga.

Python Java Android Flask

## “ RÉFÉRENCES

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