

David Cobbina

Software Engineer

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RELEVANT EXPERIENCE

Software Engineer Consultant @ Freelancing

May 2020 - Sept 2022 // Accra, GH

- › Led engineering team to develop & ship a SaaS grid monitoring mobile application platform for Hive Power company in Switzerland.
- › Worked with GoFlow Services in India to improve the architecture of an already existing video streaming mobile application (BeThere).

Software Engineer Intern @ Brij Money

June 2021 - August 2021 // Accra, GH

- › Worked closely with designers & backend engineers to develop and ship merchants feature which allowed end users to purchase items from a merchant store on the Brij app.
- › Developed and shipped airtime & bundle purchasing feature on the Brij mobile app.
- › Increased mobile engineers development time by 20% and reduced common bugs by porting application codebase to support null safety.

Software Engineer @ Bewsys Ltd.

August 2019 - April 2020 // East Legon, Accra

- › Architected and implemented a mobile application for the Palestinian Agriculture Advisory System.
- › Worked in a team of 3 to Design and implement backend infrastructure of an inmate management system for the National Prison of South Sudan.

Software Developer @ Shring Ltd.

June 2018 - June 2019 // Accra, GH

- › Worked on a team of 2 to build an ID verification application using Java Android.
- › Built a mobile app to track the status of all requested fibre broadband for Vodafone Ghana using Java Android
- › Developed and maintained client & in-house projects primarily using Javascript, React js, Next js, Express and Node js.

ACADEMIC PROJECTS

- › Developed an elastic service using AWS APIs, load balancing and Auto scaling services on AWS to mitigate varying loads on a server.
- › Deployed web services using docker containers and Kubernetes on multiple cloud platforms via Azure and GCP APIs.
- › Orchestrated, deployed and optimised a unified social network application that integrates heterogenous SQL and NoSQL database systems.
- › Developed an application using Scala that analyzes twitter social graph with the Pagerank algorithm on Apache Spark
- › Developed a ride hailing application using Apache Kafka & Samza framework to analyse stream data and perform real time processing of multiple data streams.
- › Performed feature engineering using NY Cab data, trained, built and deployed a machine learning model on the cloud.

CERTIFICATIONS

Google (Credentials)

Google Associate Android Developer

Udacity (Credentials)

Cloud Developer

SKILLS

Programming Languages

Kotlin, Java, Dart, JavaScript, Typescript, Python, HTML, CSS, SQL, PHP

Libraries & Frameworks

Android, Jetpack Compose, Flutter, React, NodeJs NextJs, Express, Chakra

Tools & Platforms

Git, GitHub, AWS, Docker, Kubernetes, Travis CI, Github Actions, MySQL, MongoDB, Firebase, Azure, GCP,

EDUCATION

Carnegie Mellon University

Sept 2020 - May 2022

Masters in Information Technology
Major in Software Engineering
Minor in Entrepreneurship
GPA - 3.67

RELEVANT COURSES

Data Structures & Algorithms
Design Patterns For Software Development
Cloud Computing
Data Inference & Applied
Machine Learning
Augmented and Virtual Reality
Internet of Things

PROJECTS

Disney Plus (Github)

Android Mobile UI Kit built with Jetpack Compose & Kotlin for streaming movies & videos.

OTP Library (Github, Library)

Package built with dart & flutter. Seamlessly handles OTP integrations in Android, IOS & Web

Flutter Catalog (Github, Playstore)

Android/IOS UI Kit. Built with flutter & dart. Over 30 screens & 60 reusable widgets. 2 Case Study applications (e-commerce & Travel)