

EMMANUEL AMETEPEE

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Software Engineer (Mobile Apps & Backend) | Ex-Google DSC Lead UCC, GH | Public speaker

OBJECTIVE

To touch the zenith of my career by converting my innovative ideas into fruitful results and to work in a cutting-edge competitive industry and challenging work environment to conduce the best of my ability towards the growth and development of the organization.

PROFESSIONAL SUMMARY

I'm an analytical and detail-oriented developer with about four and a half (4.5) years of hands-on experience with software development and integration. Adept at bringing all team members together to reach a common goal on time and under budget. Conceptualizing application solutions with the latest technology, design theory, and a large dose of creativity. Committed to viable and easily functional application solutions for clients and organizations.

EDUCATIONAL BACKGROUND

University of Cape Coast (UCC), Ghana <https://ucc.edu.gh/>

Bachelor of Science in Computer Science. (2017-2021)

ACHIEVEMENTS/AWARDS

- Google Africa Developer Scholarship - 2020
- Ghana National Petroleum Cooperation Foundation (GNPC) Scholarship - 2017

PROFESSIONAL CERTIFICATIONS

- Information Systems from University of Minnesota (March 22, 2022), [view certificate](#).
- Information Systems Auditing from Hong Kong University (June 8, 2022), [view certificate](#).
- Google Android Africa Developer Training Program (February 12, 2021), [view certificate](#).
- Google IT Support Professional Certificate (May 15, 2021), [view certificate](#).
- Fundamentals of Project Management (May 17, 2021), [view certificate](#).
- Introduction to Microservices - Udemy, (June 9, 2021), [view certificate](#).
- Agile Certification on Project Management - Udemy, (June 17, 2021), [view certificate](#).
- Remote Working and Virtual Engagement - Udemy, (May 27, 2021), [view certificate](#).
- Google Developer Student Club Lead Certificate (August 31, 2020), [view certificate](#).
- Global Solution Challenge Participant, organized by Google Developers (July 14, 2020), [certificate](#).

USEFUL LINKS

- Published Apps (Google play store): [Emmanuel-Published-Apps-Google-Playstore](#)
- LinkedIn: <https://www.linkedin.com/in/emmanuel-ametepee-052264175>

- GitHub: <https://github.com/EmmanuelAmet>
- YouTube Channel: <https://m.youtube.com/channel/UC9703SzdQo7Fd2UKmEclQ9w>

WORK EXPERIENCE

Arkesel Company Limited – Software Engineer (Mobile Apps using Flutter Framework)

October 2021 to Present

Responsibilities

- Work on all mobile app projects using the Flutter framework.
- Developed USSD simulator (mobile app) for testing USSD-based applications.
- Test both internal and external APIs using postman.
- Supervised other developers and submit daily reports to the project supervisor.
- Worked on all Major mobile apps concepts, solving bugs, learning, and applying code optimization techniques.
- Evaluate and develop software solutions for users' needs.
- Worked on UI for mobile app implementation.
- Collaborate with project leads in choosing a specific technology, vendor, practices, etc.

Department of Computer Science & IT, UCC - Cohead Project Evaluation Committee

May 2021 to October 2021

Responsibilities

- Coordinate and supervise all software projects developed by students of the department.
- Ensure projects meet standard requirements before they are rolled out to production, exhibition, hackathon, and publication for research purposes.
- Developed a fee payment mobile app for the department.

Department of Computer Science & IT, UCC – Project Lead (UCC Mobile Project)

July 2021 to October 2021

Responsibilities

- Worked as an Individual contributor and led a Team of 3 members to accomplish the UCC Mobile project, which was our final year project, where we built the current online student web app into an android application, which is currently under review by the university MIS.
- Assign tasks to team members.
- Ensure each sprint is completed before the specified deadline.

Google Developer Student Club (GDSC), University of Cape Coast - Lead

2019/2020 Academic Year

Responsibilities

- Organize meetups and hackathons for students and other developers within the university community.
- Report events to GDSC program manager for Sub Sahara Africa.

- Train students in the field of Mobile, web, and backend application development, machine learning, AI, cloud computing, and others.
- Train and assign tasks to co-leads

TECHNICAL SKILLS

Major

Mobile apps and Backend development and integration, Flutter framework (Dart), Android SDK, Node.js, Kotlin, API testing with Postman, Google Maps, Firebase SDK, Push Notification, Material Design, Android Architecture Components, Strong understanding of Web services (REST), XML, DataBinding, Data Structures, Android JetPack Components, Mobile Monetization, TDD, Experience with Continuous Integration (CI) tools, Strong debugging skills, experienced in third-party APIs integration, etc.

Design Patterns:

MVVM, MVC

Flutter Packages:

GetX, Http, Cached Network Image, Firebase Core, Messaging, Work Manager, etc.

Software Development and Execution method:

Agile development methodology.

Web App and Backend Development

Node.js(Express JS), MongoDB, MySQL, HTML5, CSS3, Bootstrap, etc.

Node JS (NPM Libraries)

Express.js, Nodemon, body-parser, multer, sharp, validator, mongoose, bcrypt, jwt, etc.

Others Tools

An analytical user of GIT version control, Android Studio, Postman, MongoDB Atlas & Compass, Adobe XD for UI and prototyping, etc.

EXPERIENCE AND PROJECTS

- Developed a mobile App using Flutter framework, Firebase and REST API for ICGC Campus Church – UCC, which is currently in use and can be downloaded via [NewBreedApp](#).
- Developed a mobile app using Kotlin, Firebase and backend with Node.js, called UCC Mate which is currently used by UCC students and residents which helps in navigating around the Campus and makes hostels (apartments) and food searching easy. It is currently available on the Google play store with over 500+ downloads. View app via [UCC-Mate](#)
- Developed quiz app called ITS Quiz App using flutter framework, which is currently on Google play store via [ITS Quiz App](#).
- Developed a RESTful API called hostel-api-ucc which contains hostel data on the University of Cape Coast campus using Node.JS (Express JS), MongoDB (AWS), Firebase, and Heroku Servers. Which is available via [hostel-api-ucc.web.app](#)
- Developed DSC UCC App using Kotlin and Firebase SDK (Authentication, Real-time DB, Storage, Analytics, Cloud Messaging, In-App messaging, Crashlytics, Performance) which provides live

updates and notifications to the users. Which is currently on the Google play store via [DSC-UCC-App](#)

- Developed an android application using Flutter called Virtual Library App by integrating Open Library API and Website into the application which is currently live on Google play store via [V-Library App](#)
- Developed a RESTFul API called Appointment Manager that helps in managing and scheduling an appointment between clients and organizations. Which is available on my Github repository, [link](#).
- Developed Animal Info App by consuming Animal REST API which is available on my GitHub repository, [here](#).
- Developed a weather web app by consuming the Weather API and MapBox API using Node.js and deployed it on Heroku, currently on mt Github and available via [amet-weather-app.com](#), [src code](#)
- Developed a Task Manager RESTFul API using Node.js with (MongoDB, jsonWebToken, Bcrypt, mongoose, multer, sharp, and validator npm libraries) and deploy on Heroku and AWS using MongoDB Atlas, [view project](#).
- Developed Dog Info App by consuming Animal REST API using Kotlin, Retrofit, RxJava, Glide, JetPack components, firebase cloud messaging, and AdMob monetization which is available on my GitHub repository [here](#).
- Developed Global Corona Virus Live Update checker (Android) called Covid-19 Update App in Kotin & flutter framework by consuming Covid-19 RESTFul API, [Kotlin](#), [flutter](#) & [React.js](#)
- Cloned WhatsApp UI using the Flutter framework, [here](#).
- Developed School Management System Desktop Application using C# (Binifu Framework for the UI) and MySQL Database, which is currently in use by:
 - Wingston International School in Ghana, Greater Accra.
 - St. Bens Memorial School in Ghana, Greater Accra.

RECOMMENDATION

- https://drive.google.com/file/d/1c1tcSp6oevYe1v-VGqd0usfQtJNq_TiN/edit

INTERESTS

- Mobile applications, microservices, cloud computing, and computer security.
- Teaching and Researching in the field of technology.

HOBBIES

- Reading Motivational books.
- Creating youtube tutorials.

LEADERSHIP

- Cohead of Project Evaluation Committee for Department of Computer Science and IT – UCC.
- Google Developer Student Club Lead – University of Cape Coast, Ghana, 2019/2020 Aca. Year.
- Vice President - GNPC Scholars' Association, University of Cape Coast, Ghana, 2018
- Developer Student Club - University of Cape Coast Co-Lead 2018/2019 Academic Year.