



# FREDERICK FRIMPONG ARTHUR

SOFTWARE ENGINEER • ACCRA, GHANA • 0240994508

## ◦ DETAILS ◦

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Accra

Ghana

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Date / Place of birth

20th December, 1994

Cape Coast

Nationality

Ghanaian

## ◦ LINKS ◦

[LinkedIn](#)

[Github](#)

## • PROFILE

Results-driven and highly motivated Software Engineer. Skilled in Java, Spring Boot, RESTful APIs, and database management. Passionate about creating efficient and scalable software solutions that meet business requirements. Strong problem-solving skills and a keen eye for detail. A proactive learner who stays up-to-date with the latest trends and best practices in software development. Excellent communication and collaboration abilities, with a proven track record of working effectively in fast-paced, agile environments.

## • EMPLOYMENT HISTORY

### Software Engineer at Turntabl, Accra

September 2022 — Present

- Played a pivotal role in the development of a trading system composed of different microservices using Spring Boot, RabbitMQ, and Redis, ensuring high performance, scalability, and reliability of the system.
- Implemented messaging patterns, including message queuing and publish-subscribe, using RabbitMQ, enabling efficient and reliable communication between microservices for processing trading requests, notifications, and updates.
- Utilized Redis as a caching mechanism to improve system performance by storing frequently accessed data in memory, resulting in reduced database queries and faster response times.
- Played a key role in the development of the innovative devAssist project, a microservice-based platform that facilitates connections between developers of all skill levels and mentors, empowering them to proactively shape and advance their careers with unparalleled guidance and support.
- Implemented a real-time chat feature using Node.js and Socket.io, enabling developers to communicate with mentors in real-time for mentorship, guidance, and support.
- Developed RESTful APIs using Spring Boot, including request handling, data validation, and error handling, to ensure smooth communication between front-end and back-end systems.
- Worked with both relational and document databases, such as MySQL and PostgreSQL, and MongoDB to design and implement data models, perform database operations, and optimize database performance.
- Participated in code reviews, identified and resolved software defects, and performed unit and integration testing to ensure software quality and reliability.
- Implemented continuous integration processes using GitHub Actions, which

### ICT Tutor at Efutu Senior High School, Cape Coast

October 2021 — August 2022

- Implemented well-structured and engaging lesson plans that met the needs of diverse learners.
- Effectively introduced programming and computing concepts to novice high school students with no prior background in programming.
- Facilitated lab exercises to solidify students' understanding of theoretical concepts.
- Facilitated collaborative and engaging group learning experiences to promote student engagement.
- I proactively used the internet, trending inventions, and science fiction to help students learn faster.
- Delivered tailored academic, social, and emotional support to empower students to achieve their goals and maximize their potential



## EDUCATION

### BSc Information Technology, University of Cape Coast, Cape Coast

August 2017 — October 2021

Graduated with Second Class Upper Honors

GPA 3.3

### General Science , Adisadel College, Cape Coast

September 2012 — May 2015



## CERTIFICATES

### Python for Everybody Specialization, University of Michigan(via Coursera)

June 2020 — October 2021

### Introduction to Git and GitHub, Google(via Coursera)

November 2020 — January 2021

### Google IT Support Specialist, Google (via Coursera)

August 2020 — January 2021

### Computer Security and Systems Management Specialization, University of Colorado (via Coursera)

August 2020 — November 2020