

# Full Stack Software Engineer

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### SUMMARY

I am a full-stack software engineer with 3+ **years** of professional experience as a front-end engineer at *Codersabode Tech*, using Typescript, JavaScript (Vanilla, React), CSS (Bootstrap, Tailwind), 1+ **years** of professional experience as a back-end engineer at *Codersabode Tech and IdadStudio* using NodeJS, MongoDB, Python(Django), 6+ **months** of experience as a full-stack engineer, using the MERN stack, 6+ **months** of experience as a front-end engineer and data analyst intern at *JP Morgan Chase & Co* (Virtual experience) Pandas, Numpy, Matplotlib.

### PROFESSIONAL SKILLS

**Fluent** in Python, JavaScript, Typescript, CSS, HTML, NoSQL, SQL

**Familiar** with Java and C++

**Frameworks and Libraries:** React JS, Node JS, Express JS

Pandas, NumPy, Seaborn, Matplotlib, Django

**Databases:** MongoDB and MySQL.

**Others:** Git, GitHub and GitLab.

### PROFESSIONAL EXPERIENCE

1. **Codersabode Tech** | September 2019 - Present.

**Address:** (Tema, Accra, +233546313876, <http://codersabode.tech>)

**Position:** Front-end Software Engineer

(Full time non paid/ equity compensation)

#### Projects:

- **Project name: Musika App**

**Project Description:** This App is a fully fledged modern ReactJS Music Player application with its functionalities analogous to that of Spotify.

*It uses Shazam API to fetch details of artists and populates it on the user interface.*

**Project Duration:** September 2022 – Present(still ongoing)

**Programming Duration:** 8 hours per day, 9am – 5pm, Monday to Friday.

**Responsibilities:**

- I coded the app's homepage, artists page, artist details page and the song details page.
- I used Shazam Core API to gather artist details and recommended tracks.
- I incorporated IP Geo-location API to get users location.
- I coded a search functionality where favorite artists could be searched.
- I specified and performed Feature testing using the Jest framework.
- Programming Languages and tools used: MS Visual Studio Code, Linux Ubuntu 22.04.1 LTS , ReactJS/ NextJS, Shazam API, IP Geo-location API, Tailwind CSS, Redux Toolkit and Jest for testing, Git and GitHub

- **Project name:** Codersabode Tech's website.

**Project Description:** The rebuilding of company's website to match modern trends and features.

**Project Duration:** December 2022 – Present(still ongoing)

**Programming Duration:** 2 hours per day, 9am – 5pm.

**Responsibilities:**

- I am responsible for designing and coding the entire user interface
- I am responsible for hosting the website as well
- Sample of the code on GitHub  
<https://github.com/Ewooral/Ewooral-Tutorials/tree/main/codersabode>
- A link to an unfinished prototype: <http://codersabode.tech/>
- Programming Languages and tools used: MS Visual Studio Code, Linux Ubuntu 22.04.1 LTS, HTML, CSS, JavaScript
- Git and GitHub

2. **IdadStudio | September 2021 - January 2022**

**Address:** (Hamburg, Germany)

**Position:** Full-Stack Developer (Remote)

(Contract, paid)

**Project name:** Account-Manager App

**Project Description:** An app that renders clients details from Meta-Trader platform using Meta-API.

This project is analogous to [www.myfxbook.com](http://www.myfxbook.com) and seeks to solve a lack of user-friendly issue on the platform, outlined by users and makes it easy for users to navigate the app without having to struggle.

- Sample of the Project <https://github.com/Ewooral/Account-Manager>

**Programming Duration:** 5 months, 8 hours per day, 9am – 5pm.

**Responsibilities:**

- I implemented the user interfaces (UI).
- I created the database models.
- I registered and connected the app to the Meta-API which enables the app to fetch details of users from the meta trader platform back to the application.
- Programming Languages and tools used: Visual Studio Code, Linux Ubuntu 22.04.1 LTS, PyCharm Professional, Python, JavaScript, Tailwind CSS, in tandem with the Django framework, Git, GitHub and GitLab

3. **PALM TREE, SOFT.** | June 2021 - August 2021

**Address:** (Accra - Tema, GH)

**Position:** Front-end Developer  
(volunteering non-paid)

**Project name:** Hotel Booking App (Lush View Hotel)

**Project Description:** A website that displays details and services of the company. It also gives customers access to book a room directly on the platform.

**Project Duration:** June 2021 – August 2021

**Programming Duration:** 5 hours per day, 10:30am – 3:30pm, Mondays to Fridays.

**Responsibilities:**

- I leveraged familiarity with CSS and HTML to ensure seamless front-end content delivery.
- Programming Languages and tools used: MS Visual Studio Code, Linux Ubuntu 22.04.1 LTS, ReactJS, JavaScript and CSS, Git and GitHub.

## IT CERTIFICATIONS

- Front-End Development with React
  - Offered by Hong Kong University of Science and Technology via Coursera
  - Completed in Dec 15, 2022
  - Certificate Received
- Server-Side Development with Node, Express and MongoDB
  - Offered by Hong Kong University of Science and Technology via Coursera
  - Completed in Dec 17, 2022
  - Certificate Received
- Agile Foundation
  - Offered by LinkedIn Learning
  - Completed in August 30, 2021
  - Certificate Received
- Building Modern Projects with React
  - Offered by LinkedIn Learning
  - Completed in August 30, 2021
  - Certificate Received
- Java Programming and Software Engineering Fundamentals Specialization
  - Offered by Coursera – Duke University
  - Completed in Dec 20, 2022
  - Certificate will be ready in January, 2023

## **EDUCATION**

**BS in Computer Science**, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana,  
09/2013 – 06/2017 CWA is 50.7

## **PROFESSIONAL TRAINING**

**Walmart Global Virtual Internship – Software Engineering**  
March 2022 – May 2022

**The internship is a collaboration between University of East London and Forage, a virtual internship platform.**

- I implemented a heap data structure with two functionalities, insert and HeapifyInsert, for a system meant for the Walmart shipping department in Python.
- I performed data munging on data from the shipping department using Pandas and NumPy libraries.
- Github project link  
<https://github.com/Ewooral/Walmart-Software-Engineering-Internship-2022>
- I received a certificate of completion at the end of the internship.

**JP Morgan Chase Software Engineering Virtual Internship** | September 2021 – March 2022

**The internship is a collaboration between University of East London and Forage, a virtual internship platform.**

- I worked on a Trading Analysis and Stock Price Monitoring App where I fixed the client-side web application so that it displays a graph that automatically updates as it gets data from the server application using Python, React and Typescript.

- I used Perspective to generate a live graph that displayed the data feed in a clear and visually appealing way for traders to monitor this trading strategy.
- Below is a link to the project  
<https://github.com/Ewooral/JPMorgan-Software-Engineering-Virtual-Internship>
- I received a certificate of completion at the end of the internship.