Jason .K. Appiatu

Highly motivated and results-oriented Software Engineer with about 4 years of experience specializing in Web Development and a little bit of Internet of Things (IoT). My passion for development and creation is evident in my diverse portfolio of projects, demonstrating proficiency in mainly both LAMP (Linux, Apache, MySQL, PHP) and MERN (MongoDB, Express.js, React.js, Node.js) stacks. I also have experience in C# and .NET framework

In my previous roles, I have successfully conceptualized, developed, and implemented a range of innovative solutions. Notable projects include a comprehensive hall management system, a dynamic quiz platform tailored for my local campus church, and an efficient human resource management system. My approach to programming is akin to treating languages and frameworks as tools, allowing me to select the most suitable ones for the task at hand.

What sets me apart is my continuous eagerness and excitement to learn and adapt to new challenges. I thrive on expanding my skill set and staying abreast of the latest industry trends. While I am proficient in full-stack development, my preference lies in backend development which includes server-side operations and data management.

My technical ability is complemented by strong problem-solving skills, effective communication, and the ability to collaborate seamlessly within cross-functional teams. I bring a forward-thinking and innovative mindset to every project, ensuring the delivery of scalable and robust software solutions.

Looking ahead, I am enthusiastic about contributing my skills and expertise to projects that demand a creative and analytical approach. My commitment to excellence and adaptability positions me as an ideal candidate for roles that require a versatile and dedicated Software Engineer in the dynamic realms of Web Development.

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LANGUAGES

English, TWI

Extra curricular activities

- I served as one of the coleads to the Developers Student's Group.
- I played the lead guitar in a band.

Hobbies

- Music: I love to play musical instruments especially the guitar.
- Art: I draw and design on occasions.

EXPERIENCE

Enyata, Accra, Ghana — *Backend Developer*

February 2023 - PRESENT

- As a backend engineer, I contributed to the development of the backend services of company projects using tools such as NodeJs, Express, GraphQL, PostgresQL, MongoDB, Typescript, REST technologies, Github, Scrum, Slack and Agile methodologies.
- Conducted code reviews to ensure programming standards and security requirements were met.
- Worked with cross-functional teams including product managers, product owners, frontend engineers, mobile developers and designers to integrate features and functionalities seamlessly.

Projects:

RigourOS

This application seeks to bring all parties in the medical space together on one platform while also making patient data available across the entire application. That is, patient data is shared to all parties associated with that patient so as to administer quick medical attention. As part of the backend team, I worked on serving the frontend and mobile teams with the necessary APIs to get the application up and running.
Technologies used: Typescript, NodeJS, Express, Postgres, REST, PayStack, AWS
Link to project: Not deployed

Human Resource Management System (HRMS)

I worked with a cross-functional team of backend engineers, frontend engineers, quality assurance engineers, product managers and product owners to build this system. I was part of the backend team for the product. The product was created to assist businesses in all their duties such as hiring, clocking and out and disbursement of salaries to name a few.
Technologies used: JavaScript, NodeJS, Express, MongoDB, GraphQL, Redis, AWS
Link to project: HRMS website

Tradesity

This is an e-commerce platform that allows both buyers and sellers to negotiate on the prices of items before making final purchases. I worked on the team backend for this project.
Technologies used: JavaScript, NodeJS, Express, PostgresQl, REST, AWS
Link to project: Not deployed

VDC.Cloud, Accra, Ghana — *Sysops*

March 2022 - January 2023

- As a system operations engineer, I performed diagnostics on client architecture in AWS, GCP and Azure cloud platforms and reported on my findings.
- Performed manual testing of features of software deployed in the cloud and reported to the necessary parties on inconsistencies for rectification.

N/A — *Freelancer*
January 2019 - PRESENT

- As a full stack software engineer, I worked on a dynamic Bible quiz application for my local church of about 400 people to evaluate how well they studied the Bible. The system questioned and took responses from the participants and then returned the graded result. It boosted Bible study and interaction. Technologies used include PHP, Laravel, bootstrap, Heroku, Git, MongoDB.
- In a team of two, I created the backend component of a hall management system for one of the halls in the University of Cape Coast. My role consisted of configuring a server and managing the database. The system keeps track of the number of students in the hall as well as which student has the key to a room. The system helped the hall management in their work flow.
- I created an art website for a client to display artworks. The platform included an admin panel where the client was able to add content without consulting me.

University of Cape Coast, Cape Coast, Ghana — *Teaching and Research Assistant*
September 2021 - September 2022

- Developed an IoT system to notify users if a lab in the University of Cape Coast was unlocked. This reduced the need for users to call me to ask if the lab was opened. The technologies used include, MicroPython, ESP32 and Adafruit io.
- Led a group of 25 students to build various IoT projects such as cars, boats and little games for exhibition purposes. We employed the use of Arduinos.
- Built a smart chicken egg incubator that kept track of temperature and humidity readings in and outside of the system to help in research concerning the optimum requirements for good egg growth. The data readings are being processed by the agriculture department of the University of Cape Coast.

EDUCATION

University of Cape Coast, Cape Coast, Ghana — *BSc. Computer Science*
August 2017 - October 2021

- Top of the class with first, GPA: 3.7/4.0
- I led group studies and gave tutorial sessions on math and programming to my colleagues.

PERSONAL PROJECTS

Share
Created a platform to serve as a repository for individuals to store their testimonies as well as encourage visitors by reading the testimonies of others.
Technologies used: HTML, CSS, JavaScript, NodeJS, Express, TailwindCSS, MongoDB
Link to project: https://github.com/Jason-bolt/share

Share API
Created the API for a platform that serves as a repository for individuals to store their testimonies as well as encourage visitors by reading the testimonies of others.
Technologies used: JavaScript, NodeJS, MongoDB
Link to project: https://github.com/Jason-bolt/shareApi

Got Skills Hub
I created a platform called Got Skills Hub (GOSH for short) to help introduce businesses that do not have a presence on the internet.
Technologies used: PHP, Laravel, HTML, CSS, Bootstrap, MySQL
Link to project: https://github.com/Jason-bolt/Gosh

SKILLS
Hard skills:
I am proficient with: HTML, CSS, Python, PHP, Laravel, Bootstrap, MySQL, NodeJs, JavaScript, Express, MongoDB, GraphQL, PostgresQL, TailwindCSS, Typescript
I am familiar with: MaterializeCss, C++, ReactJs, C#, .NET, .NET Core

Links
LINKEDIN PROFILE: https://www.linkedin.com/in/jason-appiatu
GITHUB LINK: https://github.com/Jason-bolt