ISAAC BANSON BOTWE

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Languages: English, Twi, Fante
Nationality: Ghanaian
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OBJECTIVE

Highly skilled PHP Senior Developer with over 5 years of experience in web development, AI integration, and Java programming. Proven track record in delivering high-quality, scalable solutions to drive business success. Looking to leverage my expertise in a dynamic tech company to drive innovation and project success.

EDUCATION

2023

- **Bachalor of Software Engineering**

  Takoradi Technical University
  Information Technology (Software Engineering)

2021 — **HND IN INFORMATION TECHNOLOGY**

Takoradi Technical University
Information Technology

2020 — **Certificate in Programming (Java)**

Fekwon College

2020 — Certificate in Microsoft Office Suite

Fekwon College

2016 — **General Science**

Bompeh Senior High School

2013 — Junior High School

Happy Home Educational Complex

EXPERIENCE

2017 -2021

- IT Instructor

Fekwon College

1. Upgraded the company website, increasing online visibility and engagement.
2. Trained over 100 students in Microsoft Office Suite and Coral Draw, enhancing their technical proficiency.
3. Managed and maintained the computer lab, ensuring all equipment was operational.
4. Training Students on Hardware and Networking.

2021
2022

- Teaching Assistant

Takoradi Technical University

For the Senior Lecturer:

1. Collaborate with the senior lecturer in preparing course materials, such as lecture slides, handouts, and assignments.
2. Conduct tutorials or discussion sessions to supplement the main lectures.
3. Facilitate class discussions and encourage student participation.
4. Grade assignments, exams, and other assessments according to established criteria.
5. Provide constructive feedback to students on their performance and progress.
6. Hold office hours to provide individual or group assistance to students with course-related questions.
7. Assist in the organization and supervision of laboratory sessions, experiments, or practical exercises.
8. Help students with technical issues related to the use of educational technology or software.

9. Assist in the coordination of guest lectures or special events related to the course.

10. Monitor student attendance and participation during lectures or other course-related activities.

11. Assist in maintaining and updating course websites or online learning platforms.

12. Collaborate with the senior lecturer to develop or revise course materials based on student needs and feedback.

13. Provide support to students with disabilities or special learning requirements.

14. Serve as a liaison between students and the senior lecturer, conveying questions, concerns, or feedback.

15. Assist in the proctoring of exams and maintaining exam integrity.

For the Database Administrator:

1. Manage and administer the university's databases related to the course.

2. Ensure the integrity, security, and accessibility of the database systems.

3. Assist in the design, development, and implementation of database structures and schemas.

4. Optimize database performance and troubleshoot any issues that arise.

5. Monitor and maintain database backups and recovery procedures.

6. Collaborate with the senior lecturer to incorporate database concepts and practical exercises into the course.

7. Provide technical support and guidance to students working with databases.8. Assist in setting up and configuring database-related software and tools for students.

9. Help students troubleshoot database-related problems and errors.

10. Assist in grading database assignments and projects.

IT Instructor

2022 - 2023

Mary's Child Educational Complex

1. Teaching IT course

2. Training students in the IT field

3. Managing IT lab

4. Typing and arranging exam papers

5. Administrative work

6. Design posters to advertise the school.

2023 - Present
- Software Engineering & System Development

PHP Developer - Accra Institute of Technology

1. Development, implementation, and support of Learning Management System (LMS).

2. Install, customize, update, and maintain AIT internal and external webpages and sites

3. Provide creative visuals and manage the planning and implementation of web-based applications

4. Increase AIT online exposure through search engine optimization best practices

5. Create and analyze reports on web activity, number of hits, traffic patterns, and other similar performance metrics

6. Integrate AIT websites with back-end systems such as databases like MongoDB, MySQL, and SQLite.

7. Diagnose and fix bugs in in-house and external element software systems.

8. Designed and optimized databases for improved performance and scalability.

9. Utilized the Laravel framework to streamline development processes and ensure code maintainability.

10. Conducted code reviews and provided mentorship to junior developers, improving overall team performance.

11. Develop software tools and subsystems to support software reuse and development.

12. Perform research and implement all technical solutions for all systems and ensure compliance to all company objectives and provide regular status reports to management

13. Assist in software process management and control through coding of software development process.

14. Support configuration management tasks on system development projects. 11. Disseminate test data from control database to staff and students to meet adequate unit testing.

15. Conducted code reviews and provided mentorship to junior developers, improving overall team performance.

SKILLS

- Programming Languages: Java, PHP, HTML, CSS, AJAX, jQuery, Bootstrap
- Frameworks: Laravel, CodeIgniter
- Databases: MySQL, PostgreSQL, MS Server, MongoDB, SQLite
- Tools: Git, Microsoft Office Suite, Asana, Trillo
- Strong understanding of Object-Oriented Programming (OOP) concepts
- Excellent problem-solving and analytical skills
- Strong communication and teamwork abilities
- Additional: AI Integration, UI/UX Design, Problem-Solving, Teamwork, Networking Administration

PROJECTS

- **Online news Portal**

These are the features of the system:
1. Post News
2. Comment section
3. Category
4. Recent post
5. Chat forum

Online course registration
These are the features of the system:
1. Register course
2. Update record
3. Upload student's information
4. Change course
5. Register students

School Management System

These are the features of the system:

1. Student information Management
2. Admission System
3. Staff Management
4. Examination Management
5. Timetable Management
6. Fees Management System
7. Reporting and Analysis
8. Integration and Data Exchange
9. Security and User Access Control
10. Parent access of their ward's records.

Church Website

- Home page
- About page
- Sermon and Media
- Events and Calendar
- Ministry and Program
- Worship and Music
- Blog Post
- Prayer Requests

School files system

Folder Structure

Documents upload and Storage.

File Versioning and Access Control

File Search and Retrieval

Collaboration and Sharing

Online Book System

Book Catalog

Book Details and Description

Book Search

Online Reading

Borrowing and Lending

Personal Library

Search for all kinds of books in the world.
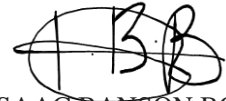
INTERESTS

- Participating in Programming competition
- Surfing through the internet
- Interested in Designing
- Interested in exploring the AI technology skills

LANGUAGES

- English, Fante, Twi

REFERENCE

- Mr. Richard Appiah   - Takoradi Technical University
  Senior Database Lecture
  +23324 275 0898
- Mr. Eugene Akoto - Accra Institute of Technology
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