ADDAI FREDERICK

Full Stack Web Developer (PHP/MySQL)

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PROFESSIONAL SUMMARY

Resourceful and detail-oriented Web Developer with hands-on experience in building full-stack web applications. Specializes in PHP and MySQL back-end development with a focus on security, data integrity, and user experience. Recently architected and deployed a complete academic management system for Best Brain International School, demonstrating the ability to translate complex requirements into functional, production-ready software.

TECHNICAL SKILLS

Backend: PHP 8, MySQL (PDO), SQL

Frontend: HTML5, CSS3, JavaScript (ES6+)

Database: Relational Design, Normalization

Security: Auth Systems, Input Sanitization

Tools: Git, VS Code, XAMPP, FileZilla

Concepts: AJAX, MVC, Responsive Design

KEY PROJECT

Best Brain School Examination System   **Nov 2025 – Present**

A secure, role-based academic assessment platform for 500+ students.

- **Full-Stack Development:** Built the entire application from scratch using vanilla PHP and MySQL, ensuring high performance on shared hosting environments.
- **Secure Assessment Engine:** Engineered a "Browser Lockdown" feature using JavaScript to detect tab switching and prevent exam malpractice.
- **Automated Reporting:** Developed a logic engine that aggregates Class Scores (50%) and Exam Scores (50%) to auto-generate ranked Terminal Reports.
- **Data Interoperability:** Implemented CSV Import/Export functionality, allowing teachers to work offline in Excel and sync data instantly.
- **Role-Based Security:** Created a secure authentication system with three distinct user roles (Admin, Teacher, Student) and session management.

EDUCATION

BSc Information Technology   **2027**

University of Professional Studies, Accra