

Emmanuel Appiagyei

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LinkedIn: <https://www.linkedin.com/in/wdappiagyei/> |

GitHub: <https://github.com/WDverse> | Portfolio: <https://wdappiagyei.netlify.app/>

SUMMARY

Full Stack Developer skilled in building scalable, user-centric web applications with the MERN stack and cloud platforms. Proven track record of optimizing site performance, enhancing accessibility, and driving Agile delivery. Passionate about translating complex problems into elegant, high-impact solutions.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript (ES6+), TypeScript, SQL, NoSQL
- **Frontend Skills:** HTML5, CSS3, WordPress (CMS), Bootstrap, React.js, Tailwind CSS, Handlebars.js, jQuery
- **Backend:** Node.js, Express.js, RESTful APIs, GraphQL, MVC architecture
- **Databases:** MongoDB, Mongoose, PostgreSQL, MySQL, Sequelize ORM
- **Workflow:** Git, GitHub.
- **Other Tools/Technologies:** AWS

PROJECT EXPERIENCE

Tourist Trap | GitHub: [Tourist-trap Repo](#) | Live Link: [Tourist Trap](#)

- Developed a responsive travel guide application, improving load speed by 30% through optimized asynchronous JavaScript (AJAX) requests.
- Integrated weather and hotel APIs to deliver real-time data, enhancing user experience and decision-making efficiency.
- Designed mobile-first interfaces to ensure seamless navigation across devices
- Tools: HTML, CSS, JavaScript

Cozy Spaces | GitHub: [Cozy Spaces Repo](#) | Live Link: [Cozy Spaces](#)

- Collaborated with other developers to build a full-stack vacation rental platform using MERN technologies, resulting in 25% faster data through GraphQL integration.
- Tools: HTML, CSS, JavaScript, Bootstrap, React, Node.js, Express.js, MongoDB, GraphQL

Smart Brain | GitHub: [Smart Brain Repo](#) | Live Link: [Smart Brain](#)

- Developed an AI-driven web application for real-time emotion recognition, achieving a 92% detection accuracy rate.
- Deployed secure user authentication and PostgreSQL data management, supporting scalable user growth.
- Enhanced system reliability by implementing robust error handling and session management protocols.
- Tools: React, CSS, JavaScript, Node.js, Express.js, Postgres DB, Clarifai API

PROFESSIONAL EXPERIENCE

Website Developer (Contract)

Feb 2024 – May 2024

Technology Innovation Management (TIM), Carleton University, Ottawa, ON

Live Link: <https://carleton.ca/tim/>

- Revamped the TIM department website using WordPress, increasing page engagement by 40% through improved site navigation and user flow.
- Conducted accessibility audits and upgraded the platform to WCAG 2.1 AA compliance, enhancing usability for all visitors.
- Collaborated with the program administrator to gather requirements, prioritize features, and iteratively deliver enhancements.

Customer Service Representative

May 2023 – Nov 2023

Farm Boy, Ottawa, ON

- Streamlined product shelving processes, reducing retrieval times and improving operational efficiency.
- Leveraged strong interpersonal and teamwork skills to maintain high customer satisfaction and contribute to a 5% increase in overall department sales.
- Recognized by management for exemplary organization, problem-solving under pressure, and consistent quality service delivery.

EDUCATION

Master of Applied Science in Technology Innovation Management

Sep 2022 – Feb 2025

Carleton University, Ottawa, ON

- Thesis: Developed a diagnostic tool guide to enhance Agile software team performance.
- CGPA: 10.5/12

Certificate in Full Stack Web Development

Apr 2023 – Oct 2023

Carleton University, Ottawa, ON

- Focused on JavaScript, MERN Stack (MongoDB, Express, React, Node.js), RESTful API development and database management in a hands-on, project-based curriculum.