

Ashbie B. Mweemba

Software Engineer with experience in web development. Currently expanding my expertise to C++ development, with a focus on data structures and algorithms. Passionate about continuous learning and eager to contribute to C++ projects.

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Experience

Web Designer · **AsaTechno Consulting** Jun 2023 - Aug 2024

- Collaborated with other team members to build design systems.
- Translated wireframes and mockups into user interfaces using CSS, Less and HTML.
- Participated in daily SCRUM meetings and adhered to the Scrum agile methodology to ensure efficient project management and team collaboration.
- Utilized Git for version control to manage and share code changes, ensuring seamless integration and collaboration on new design implementations.

Projects

Jour-Par-Jour · **ashbie.tech/#projects** (for more information)

- Architected and implemented the back and front end.
- Incorporated persistent data storage using MongoDB.
- Built and incorporated a GraphQLAPI as the web app's server
- Utilized Google's People API so as to delegate authentication to Google.
- Utilized the Stripe API to facilitate payments.

Currently Learning

C++ Development

I am currently focused on developing a strong foundation in C++ programming, with an emphasis on mastering the core concepts of object-oriented programming (OOP), data structures, and algorithms. I have been dedicating significant time to learning C++ syntax and best practices, exploring the C++ Standard Library, and implementing fundamental programming concepts in the language.

As part of this learning journey, I am actively building projects to deepen my understanding of C++. These projects include basic implementations of sorting algorithms, data structures (such as linked lists, stacks, and queues), and simple applications to reinforce my knowledge of memory management, pointers, and object-oriented principles like encapsulation and inheritance.

I am also delving into the C++ Standard Library to explore how built-in data structures like vectors, maps, and sets can be leveraged for efficient problem-solving. Additionally, I am working on improving my understanding of time and space complexity to ensure that I can optimize C++ code for performance.

While I am still in the early stages of my C++ learning journey, I am committed to continuously advancing my skills by working on increasingly complex projects, studying design patterns, and integrating C++ into larger software development tasks.

This ongoing focus on C++ complements my existing expertise in web development technologies, allowing me to expand my versatility as a software engineer and contribute to projects that require both full-stack development and C++ capabilities.

Skills

Programming Languages

C++, JavaScript, TypeScript, HTML, CSS, Less, PHP, GraphQL

Libraries & Frameworks

C++ Standard Library, React, Node.js, Express, AntDesign

Tools & Platforms

Git, GitHub, Heroku, GitLab, Digital Ocean, Figma

Education

Sidi Mohamed Ben Abdellah University

Software Engineering Degree
Oct 2021 - Jun 2023 // Fes, Morocco

Hassan II University

Computer Engineering Diploma
Sept 2019 - Jun 2021 // Casablanca, Morocco

Interests

Marvel Cinematic Universe, Electronic Arts' NFS franchise, Respawn's Apex Legends