# Armani D. Brown
## *Software Engineer*

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🔗 https://dev-main.tech/  🐙 https://github.com/ChromeMatic

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## PROFILE

As a skilled Software Engineer with a strong background in Vue.js, Express, FastAPI, Docker, and PostgreSQL, I bring five years of experience and a Bachelor's degree in Computer Information Systems to each project. Approaching tasks with both expertise and enthusiasm, my work is driven by a passion for continuous learning and a dedication to delivering high-quality, efficient solutions.

## EDUCATION

**BSc. Computer Information Systems**                                08/2017 – 08/2022
*Northern Caribbean University* ↗                                   Mandeville, Jamaica

## PROFESSIONAL EXPERIENCE

**Software Developer (MIS/IT 5)**                                    03/2025 – Present
*Ministry Of Agriculture, Fisheries & Mining*                       Jamaica

**Web Development Officer**                                          06/2022 – 12/2024
*COK Sodality Co-operative Credit Union ltd* ↗                      66 - 70, 5 Slipe Rd,
  **1. Meeting Scheduler Application**                     Kingston, Jamaica
   - **Architecture**: Microservices (Frontend and Backend Separation)
   - **Summary**: I developed several applications including the Meeting Scheduler for the HR department using Vue.js (frontend) and Express.js with Prisma ORM (backend), with PostgreSQL for the database. Docker deployment resulted in a 30% increase in scheduling efficiency by separating the frontend and backend services.

  **2. Branch Appointment System**
   - **Architecture**: Modular Monolithic
   - **Summary**: The Branch Appointment System features five components: Supabase backend, Vue.js member interface, internal staff interface, email notification service (Express.js + SendGrid), and a CSV-to-JSON converter using FastAPI. This system enhanced appointment scheduling and operational efficiency. This resulted in a 44% increase in efficiency with branch appointments

  **3. Corporate Pay**
   - **Architecture**: Microservices
   - **Summary**: Corporate Pay is a digital payroll system for COK Corporate Credit Union Ltd. It allows companies to upload payroll documents for processing, utilizing a microservices architecture across four sections:
    1. **Company Interface** (Nuxt.js frontend): Secure login with MFA, payroll uploads, notifications, and account management.
    2. **COK Employee Interface** (Vue.js frontend, Docker deployment): Access to uploaded documents, notifications, and company approval.
    3. **Email Notification Service** (Express.js, Render deployment): Sends notifications to COK and companies.
    4. **Backend** (Supabase): Manages core data and services.

By designing this system, I saved the company USD 31,563.97 through increased efficiency and reduced manual labour

**Internship**                                                    06/2018 – 08/2020
*Aye technologies limited*                                            New Kingston,
- Refined and finalized designs by closely collaborating with senior       Jamaica
  engineers on code implementation, validation, and debugging.

- Worked closely with colleagues to implement new features on the front
  end using vue.js.

- Worked on implementing features on the backend code comprising Spring
  boot.

## TOOLS & FRAMEWORK

- Vue.js
- Vite
- Supabase
- Nuxt.js
- Netlify
- Amazon Web Services
- Express.js
- Docker
- FastAPI
- Git

## PROGRAMING LANGUAGES

C++   GoLang   Python ( FastAPI )   JavaScript / Typescript ( Vue.js, Nuxt.js )

## PROJECTS

**8 Rivas Roofing & Hardware** ⬀                                           11/2024
Introducing a dynamic website for 8 Rivas Roofing & Hardware, designed to
enhance the business's online presence and connect with customers
effectively.

**International Windoors & Glass Solution**                                11/2024
This website is dedicated to International Windows & Glass Solutions, which
specializes in high-quality, custom windows and doors that enhance both
aesthetics and functionality.

**Branch Appointment System** ⬀                                08/2024 – present
This project was setup to help members of the credit union make branch
appointments

**Digital Payroll System** ⬀                                   11/2023 – present
The COK Payroll System, was created to help simplify the process of
companies paying their employees that have accounts with the institution

**Gores Car Wash & Bar** ⬀                                     10/2024 – present
*Here's a revised version: "To establish an online presence for Gores Car Wash &*
*Bar and attract new customers."*

**ENTECH SOFTWARE INNOVATIONS** ⬀                              07/2022 – 07/2022
Entech Software Innovations is a small tech startup located in Jamaica. We
specialize in Mobile and app development we're in the current stages of
finalizing our website.
Technologies used: **Vue.js, Tailwindcss, Vite**

**crypto-matic** ⬀                                             10/2021 – 11/2021
The purpose of this project is to provide a website to track cryptocurrency
and get the latest news on cryptocurrency.
Technologies used: Vue.js, Tailwindcss, Vite

## AWARDS

**Circle of Excellence**                                                      2023
*COK Sodality Co-operative Credit Union LTD.*
Awarded for outstanding performance in 2023