Armani D. Brown

DevOps / Software Engineer

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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

Web Development Officer   06/2022 – present
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 engineers on   Jamaica
  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
- FastAPI
- Git

- Nuxt.js
- Vite
- Supabase

- React Native
- Netlify
- Amazon Web Services

- Express.js
- Docker

PROGRAMING LANGUAGES

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