

Emmanuel Olufelo

Software Engineer

Software Engineer with 4+ years of experience building scalable web applications in fintech and data-driven environments. Strong background in Javascript, Java, and Python, with experience in micro-frontend architectures & cloud principles.

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WORK EXPERIENCE

Software Developer BMO Bank of Montreal

05/2022 - Present

Toronto, ON

Achievements/Tasks

- Built and maintained **Angular** frontend applications using TypeScript, integrated with **REST** APIs now serving thousands of daily users, collaborating closely with designers and backend engineers to deliver secure, accessible banking features.
- Developed and maintained **micro-frontend** Angular applications enabling independent team deployments and reducing release dependencies.
- Contributed to the user onboarding UI for the Bank of the West conversion, building Angular components that greeted and guided newly migrated customers as they became BMO users, supporting a smooth transition for **12,000 customers and 33,000 users**.
- Contributed to end-to-end deployment workflows by managing build artifacts in **Artifactory**, deploying containerized applications via **OpenShift**, and supporting automated cloud deployments through CI/CD pipelines and JIRA-tracked release processes.

Sports Data Analyst Intern Canadian Tire

01/2022 - 04/2022

Oakville, ON

Achievements/Tasks

- Developed **Python**-based scraping and ETL pipelines to collect sports performance data from external sources and persist it to cloud-hosted databases.
- Integrated cloud-based workflows using **Microsoft Azure** to update and maintain performance databases with newly collected data.
- Analyzed historical and current athlete performance data to develop models and metrics used to predict future performance outcomes.

EDUCATION

Bachelor of Computer Science (BCS) Honours with a Management and Business Systems Stream

Carleton University

04/2022

Canada

Courses

- Object Oriented Software engineering
- Design and Analysis of Algorithms

SKILLS

Languages: Java, JavaScript, Python, SQL

Backend: Spring Boot 3, Spring Data JPA, Spring Security 6
Node.js, Flyway Authentication & Authorization

Frontend: Angular, React

Databases / DevOps & Cloud: PostgreSQL, MongoDB,
Docker, AWS Services (Lambda, S3, Dynamo DB, SQS),
Azure

Concepts: Micro-Frontend Architecture

Bilingual : English & French)

PERSONAL PROJECTS

Web Portfolio

- <https://www.eolufelo.com>
- Designed and developed a personal portfolio website to showcase frontend and full-stack projects and technical experience.
- Built responsive, user-friendly interfaces using modern web technologies and best practices.

Mealsy

- Developed a full-stack eCommerce web application using **React**, **Redux**, **Node.js (Express)**, and **MongoDB**. [MERN]
- Implemented core features including product listings, user authentication, and RESTful API integration.
- Designed backend services and data models to support scalable product and order management.

Axiom – Secure Cloud-Based Full-Stack Platform

- Built a production-grade full-stack platform using **Spring Boot 3**, **PostgreSQL**, and **React** that enables users to upload files to Amazon S3 with ease
- Implemented secure authentication and role-based access with **Spring Security 6**
- Managed database migrations using **Flyway** and **JDB**
- Deployed containerized services to **AWS S3** using **Docker**

Kijiji Car Listings Scraper & Analyzer

- Developed a Python-based web scraping and data analysis tool using **Selenium** to collect car listings from Kijiji on a scheduled daily basis.
- Extracted and analyzed vehicle pricing data within defined time windows and compared marketplace prices against auction pricing to calculate profit margins.
- Implemented automated filtering and business logic to classify listings as profitable or non-profitable, reducing manual research and improving decision efficiency.

CURA

- Full-stack Care Home Operations & Compliance Platform built with **Java**, **Spring Boot**, **React**, and **PostgreSQL**
- Supports resident and staff management, care task tracking, incident reporting, secure document storage, and audit-ready records, all within a containerized, production-style architecture using **Docker**, **Flyway migrations**, and **AWS S3-compatible object storage**.