Saliou Diop

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 Linkedin   Website   GitHub

Work experience

Software Developer (consultant)   July 2022 - Present
National Bank of Canada, Montreal

- Collaborated in a team based, Agile environment to accomplish objectives by deadline. Used React to make a schedule object from the UI to send the json object to DynamoDB. Worked on the migration Camel 3, Java 11 of XMS apps. Used SonarQube, Jenkins for continuous inspection of code quality.

Software Developer   Jan 2022 - Present
Jarvis, Toronto Ontario

- Developed and implemented solutions to various problems within the Jarvis team. The projects were implemented using Java, Spring Boot, Docker, Maven, Azure, Git etc. Contributed to all the stages of the software development cycle through continuous participation in scrum meetings and Agile best practices. Used Linux environment for all the projects.

C++ programming Tutor
Université de Moncton, Moncton   Sep 2020 - April 2021

- Worked closely with the professor and a few other computer science students to assist junior and sophomore students with C++ programming. Successfully, analyzed and debugged code written by various students and clarified the new concepts.

Artificial intelligence research assistant, Moncton   Jan 2020 – August 2020
Perception, Robotics and intelligent Machines (PRIME), U Moncton

- Worked with Professor Akhloufi and MSc students to create a simulation tool for forest fires to help prevent propagation. Produced a 3D photorealistic model that can predict effectively fire propagation from parameters such as wind speed, humidity etc.... Used the Unity game engine, and state of the art deep learning techniques to build the model.

Projects (*on my GitHub)*

Trading REST API

- Made a trading application that allows users to manage accounts, quotes, and fetch stock information from IEX Cloud.. Designed using the Spring framework, Postgres and packaged using Maven. The project was then deployed on DockerHub as two docker images, where one image is the Postgres database that would set up all the relations, and the other image is the trading app itself.

Technical Skills

- **Programming Languages:** C++, Java, Javascript, Node, Express, HTML/CSS, SQL, MYSQL
- **Frameworks:** Bootstrap5, React, Spring Boot
- **Tools:** VS Code, Git, Intellij, Jest, JUnit, MongoDB, Azure, Docker, AWS
- **Language**: French - English

Education

Université de Moncton   2018 - 2022

B.S. in Applied Computer Science Co-op.