

Saliou Diop

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[Website](#)



Work experience

Software Developer

June 2022 - Present

National Bank of Canada, Montreal

- Collaborated within a dynamic, cross-functional team in an Agile environment, consistently meeting project milestones and delivering high-quality software solutions.
- Played a pivotal role in enhancing the NBC trading platform, focusing on elevating user experience by designing and implementing modern, intuitive, and responsive interfaces using cutting-edge technologies such as React, Angular, and Node.
- Spearheaded the development and enrichment of the in-house UI library, leading to the creation of modular and reusable components that accelerated the development process and ensured UI consistency across applications.
- Took charge of the strategic migration to Camel 3 and Java 11 for XMS applications, ensuring seamless transitions with minimal disruptions. Leveraged tools like SonarQube and Jenkins to automate and continuously monitor code quality, reducing potential vulnerabilities and maintaining codebase integrity.
- Introduced and integrated Koa Nodejs to architect a robust backend-for-frontend (BFF), optimizing the communication between front-end applications and back-end services, resulting in faster response times and enhanced user satisfaction.
- Fostered strong collaborations with designers to translate visual concepts into functional web interfaces. Worked closely with functional analysts to understand business requirements and translate them into technical solutions. Coordinated with the QA team to ensure rigorous testing, leading to bug-free releases and improved software reliability.

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.

Technical Skills

- **Programming Languages:** Typescript, Java, NodeJS
- **Frameworks:** TailwindCSS, React, Angular, Spring Boot
- **Tools:** VS Code, Git, IntelliJ, Jest, JUnit, MongoDB, Docker, AWS
- **Language:** French - English

Education

Université de Moncton

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