

Lamine Djobo . Jarvis Consulting

I'm a professional with 6 years' solid experience in banking as a financial advisor. My passion for IT was born at a very young age and has stayed with me to this day. While working at the bank, I constantly identified areas for improvement in my work tools. The desire to create and enhance the tools used by software and application users led me to transition my career focus. My goal is to become a full-stack developer. During my intensive technical diploma (AEC) in web and mobile application development, I collaborated on the creation of a mobile application called "Dors-tu bébé". This application generates stories for young children using the OpenAI/ChatGPT API and allows them to be narrated using OpenAI's voice function. It was developed using Kotlin/Java, Firebase, and MongoDB, all within Android Studio. This experience has only heightened my thirst for knowledge and discovery. It drives me to continuously learn and improve in the IT field. My ambition is to become an excellent developer, capable of actively contributing to the advancement of technologies.

Skills

Proficient: Java, Linux/Bash, RDBMS/SQL, Agile/Scrum, Git

Competent: JavaScript, MongoDB, HTML/CSS, React Native, Expo

Familiar: Node.js, Express.js, Typescript, Azure, Figma

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_LamineDjobo

Cluster Monitor [GitHub]: Developed a Linux-based monitoring tool to track and manage server performance across a cluster. Implemented in Bash and SQL, this tool automates the collection of hardware specifications and resource usage data, storing the information in a PostgreSQL database. Performed manual testing on the local machine for each script and command. Leveraged cron jobs for scheduled monitoring and real-time alerts. Utilized Git for version control and collaboration, ensuring efficient project management and deployment. This project showcases expertise in shell scripting and database integration within a Linux environment.

Sql learning [GitHub]: Designed to help you learn and practice SQL by setting up and interacting with a PostgreSQL database. It involves loading a pre-defined database schema and data, and then testing your SQL skills by answering around 30 different queries related to the data. The database is organized into several tables within a schema named cd, which manages information about club facilities, members, and bookings. The tests are performed manually directly within the PostgreSQL instance, which is deployed using Docker. Git is used for version control throughout the project.

Java grep program [GitHub]: The Java Grep application is a command-line tool designed for system administrators and developers who need to search through large directories of text files for specific patterns. It mimics the functionality of the Unix grep command, allowing users to recursively search through files and output matching lines to a specified file. The application is implemented using Core Java, with loops and enhancements like Stream API and Lambda expressions for efficient data processing. Logging is handled via SLF4J with Log4j, and the application is containerized using Docker for easy deployment. Comprehensive testing was conducted manually to ensure reliability across different scenarios, including large files and nested directories.

Stock quote app [GitHub]: The Stock Quote App is a Java-based application that simulates a stock portfolio by retrieving stock data from the Alpha Vantage API and persisting it into a PostgreSQL database. The app allows users to view stock information, buy stocks, and sell stocks, all while managing their stock portfolio. It has been implemented using technologies such as JDBC for database interaction, PostgreSQL (PSQL) for storage, Maven (MVN) for project management, and OkHttp for API communication. The test was done manually and also with Junit and Mockito. Docker was used to deploy the app.

Highlighted Projects

Dors-tu-bébé: Worked on the development of a mobile application called 'Dors-tu-bébé,' designed to generate and narrate personalized bedtime stories for young children. Utilized the OpenAI/ChatGPT API to create dynamic story content and integrated OpenAI's voice function for narration. Developed the application using Kotlin/Java, with Firebase for backend services and MongoDB for data storage, all within the Android Studio environment. Conducted thorough manual testing of the user interface, database, and functionalities to ensure a seamless user experience. This project highlights skills in mobile app development, API integration, and cloud-based database management.

E-commerce website: Built a dynamic e-commerce website using Vue.js for the frontend, offering a responsive and user-friendly shopping experience. Implemented a comprehensive cart system allowing users to manage their selections efficiently. Integrated PayPal API for secure and seamless payment processing. Managed the backend with SQL database for reliable storage and retrieval of product and user data. Manually verified the accuracy of the user interface, database interactions, and overall functionality to ensure a smooth shopping experience. This project demonstrates proficiency in modern web development and database management.

Professional Experiences

Software Developer, Jarvis (August 2024-present): Drive software development projects in an Agile/Scrum environment, focusing on delivering high-quality, up-to-date solutions. Leverage the latest technologies and industry trends to create scalable and efficient applications. Engage in all phases of the software development lifecycle.

Web & Mobile Developer, Win technologies (February 2024-August 2024): Led the development of user-friendly web and mobile interfaces using JavaScript, React.js, and React Native, enhancing user experience through optimized UX/UI design. Implemented back-end functionalities with Node.js and MongoDB, including CRUD operations and JWT authentication, ensuring secure and efficient data management. Conducted end-to-end manual testing by running the application from start to finish, verifying all functionalities to ensure a seamless user experience. Contributed to project deployment and maintenance using Jenkins, overseeing the successful launch of applications. Collaborated closely with design and back-end teams to refine product features, significantly improving project delivery timelines.

Senior Financial Advisor, Scotia Bank (January 2022-January 2023): Advised clients on investments, increasing portfolio values in Q1 2022. Trained and mentored new team members, improving onboarding efficiency. Streamlined mortgage processes, enhancing team productivity and fostering a collaborative work environment.

Senior Financial Advisor, Royal Bank of Canada (RBC) (September 2017-January 2022): Provided personalized financial advice, resolving client issues with strong problem-solving skills. Managed credit applications with a client-first approach. Built strong client relationships and collaborated with team members, boosting overall customer satisfaction.

Education

Ahuntsic College (2023-2024), Attestation of Collegial Studies, Computer Science

University of Quebec in Montreal (2012-2016), Bachelor in Economics and Finance, Economic

Miscellaneous

- Recipient of the 'Best of the Best Banker' award at Scotia Bank
- Soccer player of D1 Pierrefonds Team
- Competitive gymnast, winner of Junior senegal tournament in 2009
- Volunteer, organized charity soccer matches featuring personalities to raise funds for children with leukemia
- Avid traveler, visited countries across all continents
- Gym enthusiast, committed to regular fitness training 3-4x/week