

Full Stack Developer

I am a passionate Full-Stack developer with extensive experience in designing and developing user-centered software and web applications. I have a deep expertise in programming languages, frameworks, and recent technologies. I work effectively in collaboration with multidisciplinary teams to transform project requirements into scalable and high-performance code. Proficient in multiple languages and frameworks such as TypeScript/JavaScript, Java (Spring Boot), Python, Angular, HTML, NextJS, React, SQL, StencilJS, and C/C++, I am also capable of solving complex problems and optimizing web applications using advanced programming techniques.

Technical Proficiencies

System:	Windows, Linux, Android
Languages:	C, C++, Java, TS/JS, Python, Angular, React, NextJS, HTML, SQL, StencilJS
Tools:	Docker, Github, Jenkins, Maven, Gradle, JUnit, Jira/Confluence, Concourse CI, Swagger, Redis Cache, MongoDB, SQL server

Career Experience

Desjardins

May 2021 – Present

Full Stack Developer

Lead transformation of personal savings account webpage, a high-impact initiative impacting a user base of over 5 million individuals; comprehensive project encompasses backend development using Java (Spring Boot) and frontend enhancement through Angular/StencilJS technologies. I've employed diverse work methodologies and cutting-edge technologies, including the Design First concept, Pull-Request workflows, Continuous Integration and Continuous Deployment (CI/CD) pipelines, Test-Driven Development (TDD) practices, microservices architecture, and innovative web components.

- Conceptualized and engineered numerous microservices utilizing Spring Boot framework.
- Developed a SPA (Single Page application) using Angular/StencilJS
- Executed Continuous Integration and Continuous Deployment (CI/CD) workflows seamlessly using Fly CLI.
- Exhibited a steadfast commitment to meticulous coding practices, with a readiness to refactor and optimize code segments as required for enhanced performance.
- Created a common library for our various microservices, facilitating code reuse and uniformity of features.
- Used Kafka to orchestrate real-time data processing pipelines, enabling microservices to send, receive, and transform messages (topics) efficiently and synchronously.

Banque Nationale du Canada

May 2020 – Dec 2020

Full Stack Developer

Completed the following projects during this tenure while serving as Full-Stack Developer.

Automation of Application Create

- Implemented and configured a REST server for automating Okta application processes, employing NodeJS and Python technologies.
- Created a REST server to effectively capture and monitor metrics sourced from an external provider.

Dental Wings – C++ Software Developer (2019)

- Enhanced and refined source code to assess performance and quality, employing optimization techniques.

CAE – Integration Specialist (2018)

- Performed code optimization and refinement on flight simulator's software.
- Designed and fabricated a functional regulator utilizing Arduino components for optimal performance.

Instructed courses by standards and stipulations of Red Cross, ensuring full compliance and alignment with regulatory guidelines. Guaranteed enrollment of all course participants and ensured fulfillment of all necessary prerequisites.

- Conduct thorough and proactive surveillance while adhering to guidelines set forth by Life Saving Society to ensure safety and security.

Education

Bachelor in Computer Engineering, specialization in Security

- Polytechnique Montreal, Canada

Key Projects

Design of a Messaging Program for a client, 4th-year Integrator Project:

- Analyzed and comprehended client requirements, culminating in formulating a tailored and effective solution.
- Developed versatile messaging application akin to Outlook, featuring capability to create customizable modular templates.
- Envisioned, executed, and architected solutions, encompassing conceptualization, implementation, and design, followed by a comprehensive presentation to client.
- Employed diverse technologies, including NodeJS, React, React-Redux, Material-UI, Postgres SQL, Docker, and Gitlab, to successfully accomplish the project.
- Composed comprehensive unit tests and integration tests to ensure robustness and seamless functionality of system s.

Design and Development of a Computer System using Blockchain Technology, 3rd-year Integrator Project:

- Developed a comprehensive understanding and practical implementation of blockchain principles.
- Executed synchronization algorithms to ensure seamless coordination between various system components.
- Created sophisticated four-component system: Construct a C++ server, Android client, three C++ miners, and a Python application for managing user account logs.

Poly-Hackathon:

- Designed and developed mobile parking application utilizing Flutter framework.
- Engineered data extrapolation logic and seamlessly integrated it into the UI.

Languages

Spoken and written: French, English