

Sunil Kublalsingh

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Education

Concordia University

Bachelor of Engineering – Computer Engineering

2021 – June 2026

Montréal, QC

- **Courses:** Basic Circuit Analysis, Digital Systems Design, Data Structures & Algorithms, Real-Time systems

Dawson College

DEC – Computer Science Technology

2018 – 2021

Montréal, QC

- Graduation Honours with Distinction
- **Courses:** JAVA, HTML, LINUX, SQL, C#, JAVASCRIPT

Work Experience

Morgan Stanley | [Software Developer \(Internship\)](#)

May 2024 - Aug 2024 | Montréal, QC

- Implemented full stack internal software using **REST endpoints** created in Java Spring Boot that sped up SQL table creations, modifications, and viewing capabilities by 23%, benefiting many teams across the department.
- **Extracted JSON schema** information from data files automatically generating a user-friendly definition of a table schema.
- Created a simplified and easy-to-use interface under ReactJS and TypeScript to allow for quick and **real-time updates** of the changes done to the tables.

Morgan Stanley | [Software Developer \(Internship\)](#)

Jan 2023 - Aug 2023 | Montréal, QC

- Migrated a trade confirmation delivery management system with Gradle, a newer Java version, and Spring Boot to **improve efficiency and manageability of code** to **shorten the timespan** required for customers to receive their confirmation.
- Adapted legacy code in accordance with agile development principles.

Advizee | [Web Developer \(Internship\)](#)

Apr 2021 – Jun 2021 | Remote

- Collaborated with team members to develop an inventory system for a sneaker retailer using ReactJS to create **web pages** with a database in Firestore.

Projects

[Car Rental System](#) | [MongoDB](#), [Express](#), [ReactJS](#), [Node.js](#)

- Collaborated with 5 colleagues to deliver a Full-Stack web application over 4 Agile sprints.
- Developed **REST APIs** to facilitate **data exchange** between user interfaces and server-side processing.
- Implemented a flexible database schema in MongoDB to accommodate various car types and rental options, **enhancing system adaptability**.

[AirZen](#) | [Android Studio](#), [Java](#), [ESP32](#), [C++](#), [Firebase Realtime Database](#)

- **Led** a team to **engineer** a fully functional air quality monitoring device, **delivering** the product under 3 sprints.
- Integrated Firebase for **cloud-based storage** and **data synchronization** from the device to the mobile app.
- Developed push notification functionality to alert users when current metrics exceed threshold values.

Skills

Programming: Java, Python, C#, Kotlin, JavaScript/TypeScript, Bash Scripting, 80x86 Assembly, VHDL

Web Development: HTML, CSS, ReactJS, NodeJS, Spring Boot

Databases: SQL, MongoDB, Firestore, Realtime Database

Tools: Git, Junit, Swagger, Jest, UML, VS Code, IntelliJ, Microsoft Office: Word-Excel-PPT

Languages: English, French

Interests: Music, Bouldering, Hackathons