

Yash Jaiswal

Portfolio | yashjaiswal@dal.ca | +1-(782)-882-2600 | GitHub | LinkedIn

Education

Master of Applied Computer Science

Dalhousie University

Sep. 2020 - Current

Halifax, Canada

Bachelor of Technology in Computer Science

Karunya Institute of Technology and Sciences

Jul. 2014 - May 2018

Coimbatore, India

Skills

Programming/Scripting Languages: Java, Python, JavaScript, C++

Front-end: HTML, CSS, XML, Bootstrap, ReactJS

Back-end: NodeJS, Express, Flask, PHP

Databases: MySQL, SQL Server, Oracle, MongoDB, Neo4j, Amazon DynamoDB

Middleware: TIBCO BW (5 & 6), Mule (3.9 & 4)

Cloud: Amazon Web Services (AWS), Google Cloud Platform (GCP), Docker

Tools: MuleSoft Anypoint Studio, Git, Jira, Confluence

Professional Experience

Information Technology Developer

Canada Revenue Agency

Sep. 2021 - present

Halifax, Canada

- Responsibilities include learning hands-on development in Angular and Java, fixing bugs and debugging issues for the developed Dashboard components.

Teaching Assistant & Marker

Dalhousie University

May 2021 - Aug. 2021

Halifax, Canada

CSCI 5308 Adv. Software Development Concepts & CSCI 5709 Adv. Topics in Web Development:

- Conducted lab tutorials and resolved student queries and doubts during office hours.
- Advised student groups in group project design and development.
- Graded individual assignments and group projects.

Systems Engineer

Infosys

Sep. 2018 - Feb. 2020

Hyderabad, India

- Migrated existing legacy code to MuleSoft's Anypoint platform by implementing API - Led Approach and Connectivity to build APIs which made the process of data integration more streamlined.
- Gained hands-on experience working with transformers.
- Implemented exception handling and unit tests for the developed APIs.
- Developed complex data transformations using DataWeave(2.0) along with the creation of design documents for the developed APIs which reduced the ambiguity across the team significantly.
- Worked with connectors to connect to LDAP for implementing login functionality.
- Contributed to the implementation of a custom error handler that serves as a shared resource across all the APIs that works as a standard error handler.
- Delivered knowledge transfer sessions for newly onboarded members that improved the efficiency of the team by 30%.

Projects

Hockey League Simulation

Sep. 2020 – Dec. 2020

- Developed a hockey league game simulation console application using **Core Java**, **SQL DB**, and GSON library for JSON.
 - Built the application using the **SOLID** principles, **design patterns**, **test-driven** development approach, and following **clean code practices** using agile methodology.
 - Focused on creating **database models**, **database design**, writing **stored procedures**, and business logic for trading players with AI and user teams.
- GitHub Repo URL - github.com/theyashjaiswal/Hockey-League-Simulation

Custom Database and Database Management System

Sep. 2020 – Dec. 2020

- Created a database and a database management system console application using **Python**.
 - The database management system supported functionalities like user management, user authentication, parsing basic SQL Queries using **regex**, and transactions by applying locking mechanisms.
 - Implemented CRUD SQL queries, SQL dump, data dictionary, and database transactions.
- GitHub Repo URL - github.com/theyashjaiswal/Database-Management-System

Tutor Point - Tutor Booking Application

Jan. 2021 – Apr. 2021

- Built a web application that connects students with tutors and provides easy access to schedule appointments, book tutoring sessions, and workshops using **ReactJS**, **Express**, **NodeJS** and **MongoDB**.
 - Responsible for building the front-end, back-end, and database schema for tutor application process management, tutor feedback, tutor application approval, and deploying the application.
- GitHub Repo URL - github.com/theyashjaiswal/TutorPoint-MERN
Live URL - <https://tutorpoint1.herokuapp.com/>

Cloud of Duty – Audio Splitter

Jan. 2021 – Apr. 2021

- Built a web application that splits the vocals and instrumental track from an audio file.
 - The application is hosted on a multi-cloud platform that uses **AWS services** such as **EC2**, **EBS**, **Lambda**, **DynamoDB**, **S3 bucket**, **SNS**, and Heroku for the Front-end.
 - Responsible for creating the front-end and a few of the back-end APIs, lambda function for API authentication, and deployment of the code to EBS and Heroku.
- GitHub Repo URL - github.com/theyashjaiswal/Cloud-Of-Duty
Live URL - <https://cloudofduty.herokuapp.com/>

Halifax Foodie – Food Ordering System

Apr. 2021 – Aug. 2021

- Built a Serverless application that facilitates **an online food ordering system** with features such as chatbot, ML food recipe tagging, multi-factor authentication, report generation, and visualization.
 - The application is hosted on the AWS platform using various **AWS** services such as **Lambda functions**, **API Gateway**, **Lex**, **Elastic Beanstalk**, and **DynamoDB**, and other Google **GCP** services such as **Auto ML** in **Vertex AI**, **Cloud Run**, etc.
 - Responsible for **User Authentication** and **User Management** using **Firebase** and other AWS services and developed most of the front end of the application using **ReactJS**.
- GitHub Repo URL - <https://github.com/theyashjaiswal/Halifax-Foodie>

Achievements and Certifications

- Received the **MACS** September 2020 **entrance financial award**.
- Certified **MuleSoft Developer** - Integration and API Associate 3.9.