





Jessica D. Morris

Software Developer

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Education

Carleton University

Bachelor of Engineering,
*Computer Systems with High
Distinction*

Key Skills

Full-Stack
Development

Python

React/Angular

.NET Framework

nginx/OpenResty

Awards

December 2019

CSE Instant Recognition Award

Profile

Hi there, I'm Jess ([she/her](#)), and I'm a freelance software development consultant. I'm currently on contract with Reverso, where I've been working on a .NET framework back-end and Razor Pages front-end. For my personal projects, I enjoy the FARM stack (FastAPI/React/MongoDB), generously employing dependency injection, and writing the tests first.

Professional Experience

July 2022 – Present

Ottawa, ON

Senior Software Development Consultant at Reverso

- Using test-driven development to develop features for a facade between a .NET Framework RESTful back-end and text correction engines.
- Bugfixes for front-end using Razor pages.

December 2021 – July 2022

Ottawa, ON

Cyber Developer - Report Authoring at Communications Security Establishment

- Implemented front-end features in Angular, such as support for multi-classification environments, and automated testing using Cypress.
- Worked with the Information Management team to pilot a use case for the Digital Vault project, automation for archiving published reports. CSE's Digital Vault will be the first fully automated digital archiving system in the Government of Canada.
- Diagnosed bugs with end users and made live corrections in the database when necessary, and wrote comprehensive bug reports

October 2019 – Nov 2021

Ottawa, ON

Cyber Developer - ObservationDeck at Canadian Centre for Cyber Security

- Developed features for ObservationDeck, an automated cyber defence reporting system for government departments.
- Designed & implemented an automation system for transferring ObservationDeck code & data across classification systems. Received an official award of recognition from management for this system.
- Implemented RESTful microservices for enriching ObservationDeck data. One of my FastAPI-based services is being actively collaborated on with a second party.
- Designed & implemented centralized authorization control and audit logging for supporting microservices using nginx and Lua scripts.
- Implemented the Scrum process for the team, which included