

Damon Turcotte

WEB DEVELOPER

CONTACT

 Lethbridge, Alberta

 1 (825) 437-4025

 damon.j.turcotte@gmail.com

 [Altagrave-Git](#)

TECHNOLOGIES

 HTML

 CSS

 SCSS

 JavaScript

 jQuery

 React

 Python

 Django

 PostgreSQL

 OAuth 2.0

 OpenID Connect

 NGINX

 Gunicorn

 Linux

 Bash

 GitHub Actions

SUMMARY

Full stack web developer proficient in building both front and back end applications, deploying and maintaining them on cloud web servers and integrating them into network environments. Experience implementing distributed system architectures with resource sharing and single sign-on for enhanced scalability and user management. Strong drive and detail-oriented with excellent creative problem-solving skills, and committed to continuous improvement and growth as a developer.

PROJECTS

<https://turcotte.tech>

Portfolio, Blog & Content Management App

- Front end web application for personal site, built with React, JavaScript and SCSS.
- Highly functional and interactive application interface designed with user experience in mind.
- Custom content management tools as functional React components paired with JavaScript Fetch API classes.

<https://api.turcotte.tech>

OIDC-Protected Resource Server

- Content delivery app for personal site, built with Django, Django REST Framework & PostgreSQL.
- Complex behaviours built into model and serializer methods for data manipulation and file handling.
- Custom Python-based implementation of OpenID Connect and OAuth 2.0 token introspection.

<https://echonetwork.app>

Social Media Platform & Single Sign-on Provider

- Twitter-like social app built with Django, Django Template Language, jQuery, JavaScript & PostgreSQL.
- Includes core functionalities and content algorithms of similar social networking applications.
- Single sign-on identity provider using OpenID Connect protocol with the HS256 signing algorithm.

① *Each project was independently developed and is self-hosted on Linode's public cloud. NGINX and Gunicorn are used for server functionality. GitHub Actions, YAML and/or Bash for automated deployment.*

SKILLS

Front End

- Responsive Web Design
- DOM Manipulation
- Event Scripting
- CRUD / AJAX
- API Integration
- State Management
- Client-side Routing
- Component-based Architecture

Back End

- Authentication & Authorization
- URL Routing & Mapping
- HTTP Request Handling
- Serialization
- Data Manipulation
- Database Design
- API Development
- Server-side Rendering

Systems & Operations

- Web Server Configuration
- Database Configuration
- Version Control
- SSH Access & Tunneling
- Environment Management
- Bash & YAML Scripting
- Reverse Proxy Routing
- Microservices & SOA

CERTIFICATIONS

Django 4 and Python Programming
Udemy, Jose Portilla

Oct 2022 - Jan 2023

Web Development Bootcamp
Udemy, Colt Steele

Jul 2022 - Oct 2022

Programming for Everybody (Python Specialization)
Coursera, University of Michigan, Dr. Charles Severance

Apr 2022 - Jul 2022