

# Thomas Roy

## Junior Software Developer

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## PROFESSIONAL SUMMARY

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Junior Software Developer experienced in building internal tools, data pipelines, custom campaign websites, and database-backed applications with Python, Java, SQL, JavaScript, and Liquid.

## PROFESSIONAL EXPERIENCE

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### Data and Systems Coordinator

11/2025 – Present

*Local Electoral District Association*

Victoria, BC

- Built Python and pandas workflows to clean, normalize, match, and deduplicate messy CSV exports, reducing manual spreadsheet review by an estimated 60%+.
- Processed and reviewed thousands of supporter, donor, and household records across repeatable CSV workflows.
- Managed NationBuilder segmentation, tagging, CRM data quality, and reusable Liquid page components for outreach and web content.

### Contract Web Developer

01/2025 – Present

*Independent / Client Projects*

Victoria, BC

- Built 4 production NationBuilder campaign websites currently live for political clients using Liquid, HTML, CSS, and JavaScript.
- Developed donation, signup, volunteer, event, and contact pages for production campaign workflows.
- Completed additional unnamed client work spanning custom page builds, frontend updates, branding changes, and production support.

### Web Developer / Email Marketer

10/2019 – 06/2022

*TBahama Marketing Solutions*

Victoria, BC

- Built and maintained LAMP-based websites and WordPress installations for client projects.
- Managed MySQL-backed applications and marketing datasets with 1M+ records.
- Supported email marketing campaigns, web updates, and backend maintenance across active digital properties.

## EDUCATION

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### Diploma in Computer Programming

01/2025

*Algonquin College*

## TECHNICAL SKILLS

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### Languages

Python, SQL, JavaScript, TypeScript, HTML, CSS, Liquid

### Frameworks/Libraries

pandas, Streamlit, Flask, Spring Boot, Thymeleaf, Spring Security, JPA, React, Django

### Databases

MySQL, PostgreSQL, Typesense

### Tools

Git, Docker, Docker Compose, Linux, WordPress, NationBuilder, Electron

### Data

CSV processing, ETL workflows, normalization, deduplication, validation, JSON parsing, REST APIs, search indexing

## SELECTED PROJECTS

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### Pipeline / CSV Record Pipeline

*Python, pandas, YAML, Git*

- Built a configurable workflow engine for CSV exports with normalization, matching, enrichment, scoring, and export stages across 10+ reusable processing steps.
- Added CLI and local web UI flows so non-technical users could run repeatable jobs without editing code.

### Fundraising Intelligence

*Python, Streamlit, pandas, Electron, Git*

- Built a local analytics dashboard for NationBuilder transaction exports to surface donor patterns, recurring giving, contribution limits, and outreach opportunities.
- Added downloadable targeting and audit reports for donor review and follow-up planning.

### TransparencyBC (Beta)

*Python, TypeScript, React, PostgreSQL, Typesense*

- Built a beta web platform for searchable public-interest data using a Python backend with a TypeScript and React frontend.
- Integrated PostgreSQL and Typesense to support fast full-text search, filtering, and responsive data exploration.