

# Matthew Berger

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## TECHNICAL SKILLS

**Languages:** Javascript/Typescript, Python, SQL, HTML, CSS, PHP

**Frameworks:** React (Next.js, Remix), Flask, jQuery, NodeJS, Svelte, WordPress, Astro, Strapi, TailwindCSS, Axios

**Developer Tools:** Git/Github, Linux, Figma, Postman, VS Code, JetBrains (Webstorm, PyCharm), ChatGPT

## WORK EXPERIENCE

### Full Stack Developer | React, Formik, Axios, Pyramid, PostgreSQL

January 2023 – April 2023

*Tamvoes Health Inc.*

*Kitchener, Ontario*

- Refactored legacy code from jQuery and Handlebars to React, improving code maintainability and modularity. Integrated i18n to enable localization, implemented PropTypes for better type checking, and utilized eslint to ensure code quality and maintain error-free execution.
- Overhauled sharing functionality platform-wide, decoupling it from other code and creating separate API endpoints for improved manageability. Re-designed the UI to provide consistency and enhance user experience
- Created 20+ Python and Javascript classes to consolidate and streamline data fetching procedures, using Axios to make API requests
- Spearheaded UX improvements by standardizing button interactions and eliminating stacked modals

### Full Stack Web Developer | Flask, PostgreSQL, jQuery, Underscore.js

May 2022 – August 2022

*Tradable Bits Media Inc.*

*Vancouver, British Columbia*

- Developed a user-customizable sales funnel using jQuery, Python, and PostgreSQL to track engagement flows, resulting in streamlined data analysis and a 25% increase in conversions from previously untapped fan audiences.
- Implemented integration with **Facebook Graph API** to create and post ad templates to a Facebook page using Python and RESTful development best practices, decreasing time-spent for users to market towards fans
- Constructed **optimised SQL queries** in a relational database of over 400 tables using PostgreSQL and Python to efficiently read and write to tens of thousands of rows, following **ACID database principles** including the use of indexes and foreign keys
- Designed and Implemented front-end features using **JavaScript and jQuery**, consulting with product managers and designers, constantly iterating to find the optimal balance between user experience and efficient use of developer time
- Applied feedback from Senior developers through code reviews using **Git and GitHub** to correct mistakes and increase the efficiency and readability of future code

## PROJECTS

### 🔗 **Contactly** | Remix (React Framework), Prisma (ORM), Planetscale, Typescript, Figma, TailwindCSS June 2022 – Present

- Developed a feature-rich contacts app from scratch, leveraging Twilio Sendgrid for reminder emails, Amazon S3 for storing profile pictures, and OAuth 2.0 for easy authentication.
- Created custom parsing logic to import contacts from external providers

### 🔗 **Personal Website** | Astro, Typescript, Figma, TailwindCSS July 2020 – Present

- Developed personal website with Astro, utilizing its built-in markdown support for a lightweight and efficient tech stack designed for easy maintenance and optimal performance.
- Focused on polishing website design while maintaining a blog to document my learning journey.

### 🔗 **Payroll Software** | Python (pyPDF2, openpyxl, PySimpleGUI), Microsoft Excel July 2021 – September 2021

- Streamlined pay stub generation process using Python to parse and export data from Microsoft Excel spreadsheets into formatted PDFs
- Eliminated potential errors and reduced the need for manual data copying, resulting in a 50% reduction in the number of errors and **80% reduction in time spent on data entry.**

## EDUCATION

### University of Waterloo

September 2021 - April 2026

*Candidate for Bachelor of Mathematics with Honours — Term No. 2B*

*Waterloo, Ontario*

## ABILITIES & INTERESTS

**Languages:** Spanish (Native Fluency) - French (Working Proficiency)

**Musical Theatre:** Play writing and listening to scores from musical productions

**Fonts:** Slab Serif, script, sans serif, you name it