Vidhan Bhatt

Software Developer

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Education

McMaster University | GPA: 3.98/4.0   Sep. 2022 - Present
Bachelor of Computer Science
  * Data Structures & Algorithms
  * Computer Architecture
  * Software Development (Python, Haskell, Java, C, Elm)

Experience

Sun Life | Associate Software Engineer   May. 2024 - Aug. 2024
  * Migrated database queries to PostgreSQL as well as updated the documentation for the
    Java backend
  * Led research on web notifications
  * Developed and iterated upon the front-end of the web notification POC
  * Presented a live demo of the web notification POC to the team

Projects

vidhan.io | Rust, Markdown, Typst, GitHub Actions   Jul. 2023 - Present
A personal website and blog, written in Rust.
  * Uses Typst to generate this very resume automatically and serve it as a static asset
  * Parses markdown blog posts and renders them as HTML
  * Uses tree-sitter to provide powerful IDE-like syntax highlighting for blog posts
  * Implements industry-standard testing and continuous integration using GitHub Actions
  * Published as an open-source project/example of a website in Rust, and has
    accumulated 50+ stars on GitHub

hypertext | Rust, GitHub Actions   Jan. 2024 - Present
A blazing fast type-checked HTML macro library for rust.
  * Created for use as an HTML template engine in my personal website
  * Uses Rust's type system to ensure that HTML tags and attributes are valid
  * Uses GitHub Actions for continuous integration
  * Published as an open-source project/library, and has accumulated 100+ stars on
    GitHub and is used in 10+ other websites

MacEats | Rust, React, Next.js, Docker, Fly.io, Vercel   Oct. 2022 - Oct. 2022
*A full-stack modern reimplementation of MacEats, the McMaster University campus dining
site.*
  * Created for the 2022 McMaster CSS Hacktober event
  * Made a Rust library to scrape the original website and provide a programmatic
    interface to the data
  * Made a Rust backend to serve the data for general use by anyone
  * Made a React and Next.js frontend to access the modern site
  * Received 100% in judge voting, placing second overall in the competition

Technical Skills

Programming Languages
Rust, Go, JavaScript, TypeScript, Python, Haskell, Java, Shell Scripting, HTML, CSS, C+
+, C, Elm

Frameworks/Databases
React, Next.js, Node.js, Svelte, Tailwind CSS, SQL (PostgreSQL, SQLite, Supabase),
MongoDB, Sled

Continuous Integration/Continuous Development
Docker, Git, GitHub, GitHub Actions, Kubernetes, Fly.io, Vercel, Google Cloud Platform