Nicolas Epstein

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Skills

Programming Languages: Python, TypeScript, JavaScript, Rust, Go, SQL, HTML, CSS, Bash
Tools & Libraries: React, Django, FastAPI, Node.js, Docker, PostgreSQL, Git, REST APIs
Languages: English, French, German, Italian, Spanish, Portuguese

Experience

Lead Developer, Quebec Blue Cross – Montreal, Quebec   April 2022 – May 2023
- Led the development of a large in-house web application used to monitor and interact with repositories, CI/CD pipelines and Kubernetes clusters in real-time
- Overcame significant engineering challenges including rate limited API calls circumvented by implementing a caching solution leveraging Redis
- Developed a frontend application with TypeScript and React used daily by the company's dev teams
- Refactored thousands of lines of legacy Python code to conform to modern standards and tooling
- Wrote several build scripts with Bash and Python to automate the application lifecycle

Full Stack Developer, Norwegian Refugee Council – Berlin, Germany (Remote)   January 2021 – December 2021
- Designed a case management tool for the humanitarian sector using Go, Typescript and React
- Wrotes a workflow orchestration library in Go used to enforce constraints on data entry
- Developed a mobile application for Android devices using React Native

Freelance Developer, pluralism.xyz – Montreal, Quebec   2019 – 2023
- Reached thousands of users with interactive surveys on desktop and mobile
- Created original real-time data visualizations in both 2D and 3D using the collected data

Freelance Developer, premonitions.ai – Montreal, Quebec   July 2023
- Built a custom embedded comment collection/display tool for an existing web stack

Projects

Hacker News Clone   github.com/sqwxl/hn-clone
- Inspired by the popular tech news site/forum news.ycombinator.com
- Built with Django, HTMX and Tailwind CSS

jx   github.com/sqwxl/jx
- An interactive JSON document explorer for the command line written in Rust
- Provides a quick way to explore large documents
- Includes a search function and can output selections to clipboard or stdout

edythe   github.com/sqwxl/edythe
- A minimal terminal-based text editor written in Rust
- As an avid Vim user, I was inspired to create my own CLI text editor for fun

8-bit Computer
- Built on breadboards using basic electronic components
- A work-in-progress to deepen my understanding of CS fundamentals

Education

Harvard University – Computer Science Certificate   2020

Université de Montréal – Bachelor of Philosopy   2011

Cégep de Sherbrooke – DEC Natural Sciences   2009

Volunteering

Housing Rights and Social Services Advisor, Project Genesis – Montreal, Quebec   2019 – 2020