Nicolas Epstein

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GitHub LinkedIn Website

SKILLS

Programming	TypeScript, Python, SQL, Rust, Go, HTML, CSS, Bash
Frameworks and libraries	Node, PostgreSQL, React, Django, Express, Docker, Git, Kubernetes
Languages	English (native), French (native), German, Spanish, Portuguese, Italian
Soft skills	Autonomy, versatility, eagerness to learn, teamwork

EXPERIENCE

Software Engineer, Normal VR　　　　　　　　**NYC (remote) – Feb. 2024 to Mar. 2025**

- Designing APIs and implementing traffic monitoring, billing and deployment management tools.
- Migrated business-critical data from Google Firestore to PostgreSQL with zero downtime.
- TypeScript, Node, Hono.js, React, PostgreSQL, Docker, K8s, OpenAPI

Software Engineer, Quebec Blue Cross　　　　**Montreal (remote) – May 2022 to June 2023**

- Built an observability app for repositories, CI/CD pipelines and cluster deployments.
- Python, FastAPI, Typescript, React, Redis, Docker, K8s, OpenAPI

Software Engineer, Nicolas Grenier　　　　　　**Montreal – Dec. 2019 to Oct. 2023**

- Collaborated with the artist Nicolas Grenier to create interactive surveys that reached over 5,000 users on desktop and mobile.
- Crafted real-time data visualizations in both 2D and 3D including an program used to transform collected data into 3D geometries.
- TypeScript, React, D3.js, Three.js, Rust, Django, Express, SQLite, PostgreSQL

Software Engineer, Norwegian Refugee Council　　　　**Berlin (remote) – Jan. 2020 to Dec. 2022**

- Helped Design and implement a case management tool for the humanitarian sector which included a workflow orchestration library to enforce user-definable constraints on data entry.
- Worked on a mobile port of our front-end application for Android devices.
- Go, TypeScript, React, React Native

PERSONAL PROJECTS

jx   github.com/sqwxl/jx

- An command-line tool that provides a quick way to explore JSON documents interactively.
- Rust

Harfang   github.com/sqwxl/harfang

- An experiment in building a "hypermedia-driven" web app.
- Inspired by Hacker News and Reddit, it features threaded comments, a voting system, markdown syntax support and a responsive UI.
- Django, HTMX, Tailwind CSS, PostgreSQL

8-bit computer

- Built from scratch using basic electronic components.
- Served as a deep-dive into how computers work at a fundamental level.

EDUCATION

Harvard University	Computer Science Certificate	2020
Université de Montréal	BA Philosophy	2011
Cégep de Sherbrooke	DCS Natural Sciences	2009