



# Nicolas Epstein

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[GitHub](#) [LinkedIn](#) [Website](#)

## SKILLS

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<b>Programming</b>	TypeScript, Python, Rust, Go, SQL, HTML, CSS, Bash
<b>Frameworks &amp; Libraries</b>	Node, React, Django, Express, PostgreSQL, Docker, Kubernetes, Git
<b>Languages</b>	English (native), French (native), German, Spanish, Portuguese, Italian
<b>Soft skills</b>	Autonomous, versatile, eager to learn, team player

## EXPERIENCE

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### **Senior Software Engineer - Normal VR** **NYC (remote) - 2024-Present**

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

### **Project Lead - Quebec Blue Cross** **Montreal (remote) - 2022-2023**

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

### **Application Developer - Nicolas Grenier** **Montreal (remote) - 2019-2023**

- 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

### **Junior Software Engineer - Norwegian Refugee Council** **Berlin (remote) - 2020-2022**

- 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 frontend application for Android devices.
- Go, TypeScript, React, React Native



## PERSONAL PROJECTS

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### Harfang

[github.com/sqwxl/harfang](https://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

### jx

[github.com/sqwxl/jx](https://github.com/sqwxl/jx)

- An interactive JSON document explorer that provides a quick way to explore large documents without leaving the terminal.
- Rust

### rox

[github.com/sqwxl/rox](https://github.com/sqwxl/rox)

- A Rust implementation of the Lox language described in the book [Crafting Interpreters](#).
- Includes a lexer, a parser and an interactive REPL.
- Rust

### 8-bit computer

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

## EDUCATION

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