Alexis Rico

Staff Software Engineer

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github.com/SferaDev

Technical Skills

- Software engineer focused on building type-safe systems and full-stack apps with TypeScript and Go.
- Experienced with serverless architectures, API development, and creating tools that developers enjoy using.
- Always tinkering with new tech. I love solving complex problems with clean, maintainable code.

Work Experience

Xata ⏐ Staff Software Engineer - Tech Lead
Jan 2023 – Present

- Leading TypeScript technical decisions and responsible for cross-team feature designs with our backend team.
- Developed AI features for our database platform, including Xata Agent, an AI tool that helps optimize databases.
- Built an edge query endpoint to cache and route global requests using Cloudflare to reduce latency.
- Engineered the authentication and authorization system for our platform, including session management, role-based access control, and fine-grained permissions with API keys.

Xata ⏐ Senior Software Engineer
Feb 2022 – Jan 2023

- Main developer of our TypeScript SDK, a type-safe client that infers the data types from the database schema and offers an ORM with intellisense for the IDE.
- Built our interactive playground to try the SDK within our UI, using Monaco editor, Rollup, and custom bundler plugins to compile and run TypeScript and Python code from the browser.
- Created Xata Workers, a Cloudflare Workers abstraction that transpiled user code and generates secure endpoints that a client-side application can use without leaking secrets.
- Maintainer of our CLI and our frontend application built with Next.js and React.

EyeSeeTea ⏐ Senior Software Engineer
Feb 2019 – Feb 2022

- Developer of award-winning DHIS2 applications and project lead with World Health Organization (WIDP).

Open Source

- **OpenAPI Clients:** Unofficial type-safe API clients for multiple OpenAPI specs.
- **Keycloak:** Contributor to the authentication and authorization system.
- **Rollup CDN Import Plugin:** Plugin to auto-import ESM compatible dependencies on Rollup.
- **Paranoid Android:** Core maintainer during 4 years for a popular aftermarket Android custom ROM.

Education

Software Engineering BSc
Sep 2015 - Jun 2019

Polytechnic University of Catalonia