

Staff Engineer

Tailwind Application - Phil de Joux

I'd like to help build products for Tailwind.

A lot of the projects I've worked on have involved the presentation layer and I've kept up. I've worked with hand-rolled CSS, Bootstrap and Bulma. I now use Sass. I would have liked to have tried Tailwind and usually I'd research a technology before applying to work in it. I noticed this job post via a twitter referral¹ recently, it is crunch time to prepare NZ and CA taxes, I'm headed off on a rock climbing trip and today is my birthday.

Of the functional languages, I've worked in F#, Elm and Haskell. I'm interested in compile-to-javascript functional languages and frameworks. As for Rust, I've sat in on many Rust training sessions but have not used it commercially. I've worked with C++ and liked it at the time. Not sure if I still would.

I'm strong in Haskell and its ecosystem. I contribute² to the tools I use:

- **GHC:** I fixed pretty printing explicit quantifiers. Code I've written has uncovered bugs in GHC and I've helped with the users guide. I've gone deep with typechecker plugins.
- **SMT Solving:** I've worked with Z3 in the liquid-fixpoint library component of Liquid Haskell. I took on the challenge to extend Thoralf plugin to include units of measure³. For this I generated and logged SMT-LIB expressions, useful for standalone checking with the Z3 solver.
- **Build Tools:** I gained a lot of experience in maintaining and upgrading a very large commercial Haskell project (of close to 400 packages). Announced recently⁴, Updo⁵ tooling came out of that work. I've contributed to Stack and Cabal and other build tools in the Haskell ecosystem.
- **Packaging:** For generating `.cabal` files I've contributed to `hpack` and through that involvement became maintainer for `hpack-dhall`⁶.

I've been developing professionally 28 years, and contracting remotely⁷ for 20 years. I can take on consulting projects outside of Canada through Block Scope, a New Zealand Limited Company, incorporated in 2003 or I'm happy to be employed in Canada. Flexible with working arrangements, I am available immediately.

I look forward to talking with you and possibly working with you.

¹I follow Nate Kohari on X and he replied to [a post for this job](#).

²A more complete list of my [projects and contributions](#).

³[plugins-for-blobs](#) are typechecker plugins for units of measure.

⁴In Haskell Weekly [issue 394](#) and [issue 396](#).

⁵Updo is tooling for Haskell projects.

⁶`hpack-dhall` generates `.cabal` package definitions from Dhall.

⁷Remote contract work has many interpretations these days.