Alexander L. Schaap

Software Engineer and Sustainability Enthusiast

Hamilton, February 21, 2021

Software Engineer – Irmin

Dear Hiring Manager,

I believe that my experience developing program generators in OCaml to be beneficial as a software engineer on the Irmin project, having honed my ability to decompose software into aspects for maintainability while maintaining efficiency at runtime through code generation techniques. I am also a proponent of open-source, using Linux daily; I try to give back to the community however I may. While I spend most of my time on my degree, my Github activity will show you my efforts to contribute to open-source projects. Additionally, proven industry experience has made me a team player, and an effective written and oral communicator to technical audiences (in English).

I am passionate about storage systems. From reading Scott Chacon's "Pro Git" book explaining how Git can be seen as a filesystem, to the Zettabyte File System (ZFS), on which I wrote a course report and later built a home server with, teaching a relational databases course, and searching for the most efficient (yet accessible) compression scheme for comic book archives, I believe my interests and skills to be a valuable asset.

Tarides has been on my radar for some time now. Apart from being one of the few OCaml-centric companies, the unikernel approach also seems worthwhile, especially from a security point of view. Since you employ many top minds from well-known universities, I also expect the work environment will be inspiring.

I am confident that my expertise and passion will prove to be an asset to Tarides and the Irmin project. My command of (Canadian) French learned in high school is quite limited, but I would be happy to learn more if required. Thank you for your time and consideration. I look forward to hearing from you and further discussing my qualifications.

Sincerely,

Alexander Schaap

608-1830 Main Street West · Hamilton, ON · L8S 1H5
✉ alexander.l.schaap@gmail.com ☎ +1 289 775 9192