John Soo

Technical Disciplines

Functional Haskell, Coq, PureScript, Lisps

Work Haskell, JavaScript, AWS, Docker, Elm, HTML, CSS, PostgreSQL, React, Sass, Java, git

Joy Types, Guix, Idris, Emacs

Personal

Owner of curious mind. Lover of political theory and mathematics. Eats and cooks delicious food.
Aspiring proof engineer. Father to two beautiful chihuahuas. Futurist. Host of the Orange Combinator Meetup.

Work History

2018-Now **Application Developer**, *Panoramic Software*, Irvine, CA.

- Greatly improve delivery times using agile techniques.
- Improve team productivity by automating common implementation tasks.
- Delivered brand new product for a large market.

2016-2018 **Software Engineer**, *Verys*, Irvine, CA.

- Achieved ambitious delivery targets to large clients with technical expertise.
- Fostered effective collaboration with genuine approach to agile development.

Projects

2018-Now **VetPro**, *Application Developer*, vetpro.us, Elegant, Powerful, Secure VA Benefit claim filing system.

- Limited code complexity by designing common api for all claims activities.
- Ensured accessibility in a single page Elm application.
- Created highly reliable Servant services.
- Caught many runtime errors in property based tests.
- Implemented a Docker and Gitlab CI/CD system to increased release frequency.
- Improved UI latency by moving pdf rendering to webworkers.
- Unified postgres migration interface with postgres-simple.

2016-Now **Guix**, *Contributor*, guix.gnu.org, The GNU Functional package manager.

- Added FreeCAD, PureScript and many other packages.
- Designed and documented build systems and system services.
- Collaborated across open source projects in email and patch workflow.

2016-2018 **American Airlines**, *Software Engineer*, aa.com, Purchase and manage travel with American Airlines.

- Minimized onboarding time and optimized engineering productivity by improving gradle, gulp, and grunt builds.
- Eliminated primary project risk when transitioning legacy systems from Struts to Spring.
- Transitioned monolith to microservices using Cloud Foundry and IBM Cloud.
- Optimized UI for accessibility with semantic HTML5 and Sass.

Education

2016 **Software Engineering Immersive Program**, *Hack Reactor Remote*.

2015 **B.S. Economics, Justice Studies; minors Mathematics, Literature**, *Arizona State University*.