John Soo

Personal

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

Technical Disciplines

Functional	Types, Haskell, Coq, Racket, PureScript, OCaml, Idris, Guix, Emacs, Rust
Work	Servant, Yew, Juniper, GraphQL, Halogen, git, Linux, PostgreSQL, Nix/Guix, DigitalOcean, AWS

Work History

2020-Now **Software Consultant**, *Consumable*, Remote.
- Designed and maintained advertising exchange in Rust.
- Owned and operated exchange and sync nodes for reliability and revenue performance.

2018-2020 **Application Developer**, *Panoramic Software*, Irvine, CA.
- Improved software delivery times using agile techniques.
- Delivered brand new claims management product for a large market.

2016-2018 **Software Engineer**, *Verys*, Irvine, CA.
- Guided clients to ambitious delivery targets using technical expertise.
- Fostered effective client collaboration with genuine approach to agile development.

Projects

2020-Now **ServerBid**, *Software Consultant*, Advertising exchange.
- Designed and implemented and bid caching and circuit breakers in an Actix Web application.
- Used Nix to create reproducible developer and deployment environments.
- Created Yew frontend and Juniper GraphQL api to exchange configuration.

2020-Now **refl.club**, *Owner and Operator*, refl.club, The most static personal site ever.
- Servant blog and personal site with compile-time checking of blog posts and embedded assets.

2018-2020 **VetPro**, *Application Developer*, vetpro.us, Elegant, Powerful, Secure VA Benefit claim filing system.
- Designed and implemented a single page Elm application for speed, correctness and accessibility.
- Caught runtime errors before they happened with property-based tests.
- Implemented a Docker and Gitlab CI/CD system to increase release frequency.

2016-Now **Guix**, *Contributor*, guix.gnu.org, The GNU Functional package manager.
- Added FreeCAD, PureScript and many other packages in email and patch workflow.

2016-2018 **American Airlines**, *Software Engineer*, aa.com, Purchase and manage travel with American Airlines.
- Transitioned monolith to microservices using Cloud Foundry and IBM Cloud.
- Optimized UI for accessibility with semantic HTML and Sass.

Education

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

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