

# Christopher Krycho

(405) 205-5004

[hello@chriskrycho.com](mailto:hello@chriskrycho.com)

An experienced technical leader lately focused on programming languages and frameworks—with experience ranging from modern web platform infrastructure to computational physics and real-time avionics software.

## My Work

### LinkedIn

**Senior Staff Software Engineer** September 2021 – present

*A lead client infrastructure engineer for one of the largest social networks in the world.*

- Led a team to fix site-down memory leaks in SSR stack, and identified and resolved major resiliency gaps in internal Node.js infrastructure.
- As the primary TypeScript subject-matter expert at LinkedIn:
  - Solved the most challenging technical blockers, e.g. type-safe event tracking.
  - Coached LinkedIn's TypeScript track leads.
  - Authored [a spec](#) for Semantic Versioning for TypeScript types.
  - Forged consensus in the Ember.js open source community on key TS blockers:
    - A novel, backwards-compatible strategy to migrate away from DefinitelyTyped.
    - A new authoring format, resolving a years-long stalemate.
- Designed a migration strategy away from Ember. (We did not use it—ask me!)
- Mentored a half dozen engineers, ranging in seniority from Apprentice to Staff.

**Staff Software Engineer** January 2019 – September 2021

*An effective technical leader in a large and complex engineering organization.*

- Developed the business case for TypeScript which led directly to company adoption.
- Dramatically improved developer experience by driving adoption of Ember Octane, supporting hundreds of developers across dozens of teams spanning 18 months.
- Delivered key features for Volta, an open-source Node toolchain manager written in Rust.

### Earlier

**Olo** January 2016 – January 2019

*From individual contributor to a project lead with organization-wide influence.*

- Led responsive redesign of web ordering experience to reduce maintenance burden, improve UX, and decrease cost of launching new features.
- Enabled better scaling by designing a tooling-friendly technical strategy for white-labeling.
- Introduced RFCs to the engineering organization for architecture decisions.
- Led the company to adopt TypeScript and fully migrated a medium-sized code base.
- Founded the Ember.js TypeScript team and led community OSS efforts.
- Shaped company front-end engineering practices and tooling, e.g. test-driven design.
- Collaborated to achieve AA WCAG accessibility.

**HolyBible.com** August 2014 – April 2017

*A formative experience: a technical success but a product design failure.*

Developed a beautiful interface for reading the King James Version of the Bible, with AngularJS, Express and Node.js, PostgreSQL, and Python for transforming XML.

**Quest Consultants** May 2012 – January 2016

*Collaborating across disciplines effectively and transitioning to remote work.*

- Improved computational physics models written in Fortran, C, and Python.
- Modernized legacy Win32 UIs written in C++.
- Implemented version control (Mercurial) and issue tracking (Jira) and educated the team.

**Northrop Grumman** July 2009 – May 2012

*Learning the basics of software engineering.*

Developed avionics software in C, targeting a real-time operating system.

## Education

**Southeastern Baptist Theological Seminary**  
Master of Divinity in Christian Ministry, with honors

January 2013 – May 2017

**The University of Oklahoma**  
Bachelor of Science in Physics, *magna cum laude*

August 2005 – May 2009

## Projects

### Writing

A decade-long archive of public writing on software (and many other subjects) at [chriskrycho.com](http://chriskrycho.com), ranging from the deeply specific to the broadly philosophical.

### Open Source Highlights

- **Volta**: a JavaScript toolchain manager written in Rust
- **TypeScript in Ember**: first-class support for using TypeScript with Ember.js
- **True Myth**: a TypeScript library with zero-cost `Maybe` and `Result` types

### Podcasts

- *New Rustacean* (September 2015–May 2019): a teaching and interview podcast about Rust
- *Winning Slowly* (January 2014–November 2021): a podcast about the long view on technology, religion, ethics, and art, cohosted with Stephen Carradini

### Talks

- **The Road to TypeScript** (EmberConf 2022)
- **Keep it Local – Or: (part of) what “reasoning about your code” really means** (EmberConf 2021)
- **Don’t Go Bankrupt: Managing Technical Costs** (All Things Open 2019)
- **Rust and WebAssembly** (Denver/Boulder Rust Meetup, May 2018)
- **TypeScript and Ember.js – Why and How?** (Ember ATX Meetup, April 2018)
- **TypeScript up Your Ember App** (EmberConf 2018)
- **Becoming a Contributor** (Rust Belt Rust 2017)
- *Tolle Lege!* **Designing Readable Bibles with Digital Typography** (BibleTech 2015)