

# Corey Johns

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Functional software engineer based in Portland, Oregon, working with TypeScript, React, Haskell, and Nix.

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## Experience

### Staff Software Engineer, Freckle by Renaissance (07/2017 - Present)

Working across the full stack to build out and scale applications for educators and students.

- Implemented engaging user experiences with emphasis on rapid prototyping, validation through A/B testing, and best practices via accessibility and component frameworks.
- Led adoption of libraries including TypeScript, Testing Library, AriaKit, and Vite.
- Core contributor to production Haskell backend and supporting libraries.
- Designed Node.js-based backend service architecture using Effect and Drizzle.
- Improved devops and tooling with Nix, Gitops, Docker, and GitHub CI.

### Director of Technology, UPchieve (10/2016 - 10/2017)

Led development and launch of volunteer-run tutoring platform.

- Created real time user experience using Vue.js, Node.js and sockets.io.
- All code open-sourced on Github: <https://www.github.com/upchieve>.

### Senior Fullstack Engineer, Mattermark Studios (03/2017 - 07/2017)

Lead engineer for E-commerce React and React Native application, using Babel/ES6 with Webpack, Redux, and Jest.

### Software Developer, Manylabs (03/2017 - 05/2017)

Contributor to open source software for NSF-funded sensor-based science education project called InSPECT.

- Redesigned frontend UI with Vue.js.
- Developed interactive data visualization using SVG and `<canvas>`.
- Worked with controller backend using Python and Flask.

### Senior Software Engineer, Speakeasy.co (10/2014 - 11/2016)

Developer for early-stage voice conferencing sales platform.

- Implemented frontend MVC architecture using Backbone Marionette.
  - Built user flows for conferencing calling, in-call management, chat, document sharing, and Salesforce data manipulation.
  - Created prototypes for screen sharing, connection quality analytics, and VoIP calling using WebRTC.
  - Created build and deployment system with static analysis, testing, and optimizations on frontend code.
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## Education

### Florida State University (2010 - 2014)

Bachelor of Science (B.S.), Electrical and Computer Engineering

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## Links

- GitHub: <https://www.github.com/stackptr>
- LinkedIn: <https://www.linkedin.com/in/coreyjohns>