

Drew Volz

contact@drewvolz.com | drewvolz.com

EDUCATION

• St. Olaf College

Bachelor of Arts in Computer Science

Northfield, MN

Sept. 2012 – May 2016

EXPERIENCE

• Best Buy

Software Engineering Manager

Dec 2021 - Present

- **Discover Team Engineering Manager:** Responsible for leading a team of 9 developers, overseeing engineering planning, execution, and delivery, while driving mentorship and career development of individual contributors.
- **CITE Team Tech Lead:** Developed and maintained the navigation header and tab bar across the mobile app and website, including taxonomy and department/category experiences. Architected and implemented a cross-platform widget monorepo powering 80+ pages and screens.
- **Core Team Member:** Developed and maintained a shared monorepo for iOS, Android, and React Native applications, focusing on developer tooling, platform security, dependency management, and improved stability through reduced crash rates.

• 1Password

Senior Software Developer

Mar 2021 - Jun 2021

- **Desktop UI/UX Development:** Developed the desktop UI/UX for Mac, Windows, and Linux, implemented data flows from electron and TypeScript, designed informative data models for front-end desktop clients, and maintained a UI library of reusable components.

• thoughtbot

Software Developer

Oct 2018 - Mar 2020

- **iOS Development at Etsy:** Interoperable iOS development at Etsy across design system components, messaging, and analytics on the Native Toolkit and Apps Cross Initiative teams.
- **Houseparty Web App:** Built out Houseparty's video chatting web app in TypeScript and React.
- **Internal Tooling:** Internal development on tooling for finances, scheduling, and operations dashboards.

• Lexmark

Software Engineer II

Jun 2016 - Aug 2018

- **Manufacturing Automation (Nov 2017 - Aug 2018):** Developed web-based status screen system and implemented a websocket-based API.
- **Mobile Applications (Feb 2017 - Oct 2017):** Developed a mobile app that enabled wireless printer configuration and implemented wireless out-of-box printer setup in firmware.
- **System BIOS (Jun 2016 - Jan 2017):** Designed, implemented, and debugged firmware for laser printers. Developed a command-line firmware flashing tool. Maintained firmware update GUI to Apple's AirPrint spec.

• Lexmark

Software Engineer Intern

May 2014 - Sept 2015

- **Mechanical Engineering Services Team:** Developed dashboards for visualizations of large manufacturing datasets. Developed custom tools to manage manufacturing lines of toner/photoconductive drums.

PROJECTS

- **All About Olaf and CARLS:** Cross-platform development in React Native for college campuses. Testing and CI/CD with GitHub. Open Source, published on Apple App Store.
- **CCC-Server:** Network request caching and data fetching server. Open Source, deployed via Docker on DigitalOcean.
- **Class Dumper:** macOS app for inspecting Objective-C Mach-O runtime info. Open Source, SwiftUI and GRDB.
- **Bottomless:** iOS app to track and manage coffee subscriptions from Bottomless. Open Source, SwiftUI and Combine.

PROGRAMMING SKILLS

- **Languages:** TypeScript, JavaScript, Swift, Kotlin, Python, Rust, PHP, Java, C++
- **Technologies:** React Native, React, iOS, SwiftUI, Android, Electron, Docker, GitHub Actions, WebAssembly