

EXPERIENCE

Software Engineer **Osano** **Jan 2022 – Present**

- Lead development of the iOS SDKs customers use to integrate their apps with Osano's consent management platform.
- Wrote 50+ high quality Kotlin integration agents for various APIs to expand the number of services Osano's Data Mapping tool could connect to.
- Develop new features for Osano's Consent Management product to enhance user privacy and increase customer value.
- Collaborate with cross-functional teams including design and product to prioritize and execute on product initiatives.

IT Engineer **Forward** **May 2020 – April 2021**

- Architected and developed a serverless authentication flow for AWS AppStream2 using AWS Lambda, AWS Cognito, and Okta.
- Built internal dashboards by integrating the APIs from various B2B IT SaaS products.
- Wrote a Zendesk plugin using JavaScript and HTML5 to offer a media player for MP3 attachments.

Software Engineer **Atrium** **June 2019 – Oct 2019**

- Built full stack web applications with TypeScript, React, GraphQL, and Ruby on Rails.
- Developed a Microsoft Office plugin with Office.js and React to allow for the opening, editing, and saving of documents stored in the Atrium document management system.
- Closely collaborated with product managers, designers, legal staff, and other engineers to continuously ship feature improvements as part of an agile workflow.

IT Engineer **Atrium** **June 2018 – June 2019**

- Provided T1 production support for the Atrium web app and reduced escalations to T2 engineers by 50%.
- Integrated the Microsoft Graph API to automate configuration updates to internal Office 365 systems used for client communication, reducing email-related onboarding tickets by 90%.
- Responded to various business needs, such as document management systems migrations, with bespoke Ruby and Powershell scripts.

PROJECTS

Tangey – Widgets for Strava

<https://tangey.app>

- Swift + SwiftUI iOS app that uses the Strava API to provide customizable home screen widgets.

Slackmojis-dl

<https://github.com/ethanfann/slackmojis-dl>

- CLI tool that uses slackmojis.com to download from a directory of 47,000+ emojis.

Avarts

<https://github.com/ethanfann/avarts>

- Open-source fitness tracking app built with TypeScript, React and Ruby on Rails.

TECHNICAL SKILLS

- Languages: TypeScript/JavaScript, HTML, CSS, Swift
- Frameworks and Libraries: React.js, REST, GraphQL, Node.js, SwiftUI, Next.js, Tailwind CSS, React Native, Redux
- Tools: Git, Linux, AWS, Terraform, Github Actions, Mapbox, Docker, Postgres

EDUCATION

Merced, CA **University of California, Merced** **Aug 2011 – Dec 2015**

- Bachelor of Science – Computer Science and Engineering