

# Alex Tzeng

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## Experience

### Software Engineer at Xendit

June 2021 to Present

- Work in the experiment team as a backend-focused engineer, specialized in agile product development, and work across different stacks.
- Maintained several **message based microservices**, **TypeScript**, **Golang**, and **SQL/NoSQL** databases.

### Full Stack Engineer at Soda Labs

November 2020 to March 2021

- Built the dashboard and APIs behind the temperature scanner product LivMote, worked with an engineering team consisting of 6 people to build the stack from the hardware up to the frontend.
- Maintained and developed several APIs in a **TypeScript Express.js** backend codebase. Adopting best practices for **RESTful** API design, authentication security, and **RBAC** permission management.
- Maintain a **TypeScript** compatible **Vue.js** dashboard, designed shared state for multiple UI flows.

### Lead Frontend Engineer at Xfers

September 2019 to October 2020

- Lead the frontend team to migrate a server-side render project into **React SPA**. Splitting the **Rails** monolith into a dedicated API server and frontend microservices.
- Setup the development practice for all JavaScript codebases, includes strict **ESLint** rules, **TypeScript**, **Testing Pyramid** to minimize runtime errors for a financial product.
- Initiate the first **Design System**, along with the CI process that would deploy onto **NPM** and **React Storybook** site for design reviews. All managed using **Lerna Monorepo** to simplify the versioning and testing process.
- Host multiple online workshops about **Remote Working** best practices under COVID, clean code, **TypeScript** and the latest **React** development stack.

### Frontend Engineer at Positive Grid, LLC

January 2018 to April 2019

- Pushed BIAS AMP 2 and BIAS FX 2 into release, served over 1000 active users in 3 days after launching in NAMM Show 2018.
- Collaborate remotely with a team that consists of 70+ developers, familiar with **Scrum** and **Agile** development principles.
- Progressively migrate a 5-year-old codebase from **AngularJS** to **React.js**, optimize build time from 40s to 1.5s by refactoring from **Gulp** to **Webpack**.
- Work extensively with **Redux**, **Functional Programming**, **C++** and webview applications.

### Web Developer at Good Ideas Studio

October 2015 to December 2017

## Public Talks

### Introduction to FP, Von Neumann architecture & Lambda Calculus

March 2019

- Talk about the origins of programming languages, relationships between **Type Systems**, **Functional Programming**, and **Lambda Calculus** at a local JavaScript meetup.

### Migrating from AngularJS to React, a Progressive Journey at MOPCON

November 2018

- Share experience about how to practice **Agile** principles within a legacy codebase, spoken in front of 1000+ developers.