

## Employment

at **Amazon.com**  
in **Seattle, WA**  
from **9/25/2017**  
to **Present**

### Software Development Engineer

**Flex Account Management Team** Java • AWS • React • Coral (RPC) • Elasticsearch

- Designed, implemented microservices in rearchitecture of legacy monoliths
- Created hybrid web-app views in React

**Flex Risk Compliance Team** Java • AWS • Angular • mTLS • Coral (RPC) • SQL

- Integrated background check microservice with external vendor REST APIs
- Microservices for in-app facial recognition of package deliverers (en-route ID check)
- Created data warehousing pipelines from AWS Dynamo DB tables to AWS Redshift
- Rotated as on-call once per month, resolving numerous high-severity events
- Automated code deployment (CI/CD pipeline building)

**Payments Experience Team** Scala • Java • jQuery • SCSS • Coral (RPC)

- Developed and documented one-time-password verification for payment screens.
- Integrated with internal authentication services using Scala and Java APIs.

### Lead Software Engineer

TypeScript • GraphQL • React • Ruby on Rails • Jenkins • AWS • MySQL

- Maintained views written in SCSS, Bootstrap, jQuery, and Ruby on Rails ERB.
- Created new views as React components using Redux and Apollo GraphQL.
- Designed MySQL schema. Optimized DB migrations, SQL transactions, ORM code.
- Maintained server infrastructure; configured EC2, Jenkins, Nginx, MySQL, Redis.
- Created mobile application using React Native, Redux, and Apollo GraphQL.
- Integrated 3rd-party APIs such as Stripe, Zillow, TransUnion, Twilio, Mailgun, etc.
- Lead team in goal setting and deadline planning. Reported sprint progress to CEO.

### Junior Software Engineer

Laravel • Java • SCSS • jQuery • C# • Angular

- Created company marketing website and blog with CSS, jQuery, and PHP.
- Constructed web crawlers to pull online health-care data ontologies using C#.
- Wrote utilities to parse and normalize HL7 electronic health records using Java.
- Created mobile applications using Ionic 1.0.

at **Leasera.com**  
in **Seattle, WA**  
from **8/01/2016**  
to **9/22/2017**

at **ThruHealth, LLC**  
in **Bellevue, WA**  
from **8/15/2014**  
to **6/24/2016**

## Open Source

**Apollo GraphQL Subscriptions** • <https://github.com/apollographql/graphql-subscriptions/pull/78>

Authored the generic GraphQL subscription AsyncIterator for Apollo in TypeScript. Used implicitly by many existing open-source Apollo GraphQL subscription implementations (Redis, PostgreSQL, Kafka, RabbitMQ, etc.).

**Skoville** • <https://github.com/skoville/webpack-hot-module-replacement>

Webpack-dev-server alternative I am actively developing using TypeScript and gRPC. Enables webpack HMR for web and node.js. Broken into several npm packages allowing users to customize networking and JS runtimes.

**TypeScript Monorepo** • <https://www.npmjs.com/package/@isomorphic-typescript/ts-monorepo>

Lerna alternative I built for TypeScript monorepos (ex. Skoville); it generates tsconfig.json project-references and package.json based on config templates re-used between packages. Extends Yarn v2 (Berry) workspaces.

## Entrepreneurship

at **ConsiderEat**  
in **Seattle, WA**  
from **5/15/2017**  
to **9/23/2017**

### Co-Founder, CEO, CTO

React • React Native • Apollo GraphQL

Co-founded a short-lived start up with college classmates that allows restaurants to sell leftover food for a discount price before closing time using an app.

### Web Development Contractor

Laravel PHP • CSS • MySQL • AWS

Built website for Inglemoor High School's International Baccalaureate department as a Northshore School District contractor to survey students on education quality and generate reports for department and district leadership.

at **NSD**  
in **Kenmore, WA**  
from **8/12/2014**  
to **6/20/2015**

## Me

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## Maintainability

Functional Programming DRY

Design Patterns SOLID

Service Oriented Architecture

## Front-End

React + Hooks React Native

ReactXP Vue Electron MobX

Redux Ionic Angular jQuery

HTML5 SCSS

## Server-Side

Node.js Deno Java Scala Rust

Golang Haskell Python C# C

C++ VB Ruby PHP Kafka

PostgreSQL SQLite Neo4j

MongoDB RethinkDB Redis

## Full-Stack

TypeScript Webpack Web Workers

## Dev-Ops

AWS Jenkins Pulumi Kubernetes

Infrastructure as Code Docker

Linux Nginx Apache Prometheus

## Protocols

gRPC GraphQL REST TLS

## GraphQL

TypeGraphQL Apollo Hasura

Join Monster Prisma