

Employment

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

Software Development Engineer

Flex Identity Team Java • AWS • Cognito • Coral (RPC) • Lambda

- Extended OAuth microservice to support AuthN of various user types
- Maintained role-based AuthZ (RBAC) microservice and guided system redesign

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

- Designed and implemented microservices as part of legacy monolith rearchitecture
- 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
- 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.

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 **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**

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

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.).

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

Tool for automating maintenance of typescript Yarn v2 monorepos (ie. Skoville); it generates tsconfig.json project-references and package.json based on config templates re-used between packages.

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

Webpack-dev-server alternative built using TypeScript and GraphQL. Enables webpack HMR for web, node.js, and react native. Broken into several npm packages allowing users to customize networking and JS runtimes.

ts-isomorphic-gql • <https://github.com/isomorphic-typescript/ts-isomorphic-gql>

A GraphQL library which allows completely type-safe querying from the front-end and schema resolution on the back-end natively in TypeScript without requiring code gen or extra IDE extensions

Me

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Maintainability

Functional Programming DRY

Design Patterns SOLID

Service Oriented Architecture

Front-End

React React Native ReactXP Vue

Electron MobX Redux Ionic

Angular jQuery HTML5 SCSS

Webpack Web Workers

Server-Side

Node.js Deno Kafka PostgreSQL

SQLite Neo4j RethinkDB Redis

DynamoDB Serverless (Lambdas)

Languages

TypeScript Java Kotlin Scala

Rust Golang Haskell Python C#

C C++ VB Ruby PHP SQL

Dev-Ops

AWS Jenkins Pulumi Kubernetes

IaC CDK Terraform Docker

Linux Nginx Apache Prometheus

Protocols

gRPC GraphQL REST TLS

GraphQL

TypeGraphQL Apollo Hasura

Join Monster Prisma