Brady Ouren

Software Engineer

brady.ouren@gmail.com
linkedin.com/in/brady-ouren

Experience

Narvar (**Lumi acquisition**)   *Dec 2021 – Nov 2023*

Lead Software Engineer

Narvar is a post-purchase platform for e-commerce. They purchased Lumi for mid-market acquisitions and packaging platform parallels.

- Worked alongside packaging experts to balance the needs of clients and suppliers in various marketplace feature developments.
  - Developed a reply-by-email feature with mailgun and platform notifications, involving webhooks, footer parsing for metadata, and integration with in-platform messaging.
  - Led full-stack feature implementation and triage of customer requests. For example, a change to client development requests to facilitate packaging campaigns; involved large rewrites to the schema and completely new form-wizard flows.
- Updated the platform for security compliance and helped optimize performance and observability.

Technologies: Haskell, Purescript, React, PostgreSQL, Zapier, Mailgun, AWS, CloudFormation, Stripe/Plaid/Payoneer integrations

Lumi   *Nov 2017 – Dec 2021*

Lead Software Engineer

Lumi was a marketplace platform for collaboration between clients who need packaging and suppliers who can manufacture it.

- Led product development initiatives over 4 years of product changes. Involved in hiring and mentoring along with process creation like retrospectives, code review, internal tooling work, etc.
- Built tooling to enable code generation to comprehensive api bindings to increase correctness in frontend calls. (See "Code gen bridge talk" below for preliminary impl.)
- Worked on complex DSL for product specifications alongside packaging professionals, incrementally building out functionality for supplier needs; involved postgres jsonb representations of detailed supplier specifications with generated frontend forms and data migrations.

Technologies: Haskell, Purescript, Javascript, React, PostgreSQL, Zapier, Mailgun, AWS, Docker, Digital Ocean

AndAnd LLC   *Jan 2016 – Jan 2018*

Owner

AndAnd was a software consultancy specializing in API, iOS, and Web Development

- Acquired software contracts in the fields of large-scale geo-coordinate build systems to inventory management systems.

- Helped a client display a customized clark-scarf-type multi-echelon inventory management system for internal product owners.
  - Feature development and maintenance of python (flask) server endpoints for a clustered heatmap build system which used mesosphere and scala
- Built relationships with recurring clients and fostered new ones within our small team

Technologies: Ruby/Rails, Python/Flask, Haskell/GHCJS, Nix, Javascript, MySQL, Hadoop, Scala

VennPT   *Jan 2016 – Jan 2018*
Co-founder
VennPT was a Physical Therapy app for iOS and Web. The therapist could make custom videos of specific exercises for their clients and develop the routines via the mobile app.

- Planned, designed, and built a Rails API to service the iOS app
  - Video encoding was handled by AWS elastic transcoder and user security concerns were HIPAA complaint
  - Worked in a small team to develop a prototype in 3 months and shipped a fully functional app within 6 months; used in a few clinics to service physical therapy exercises

Technologies: Ruby/Rails, PostgreSQL, Swift, AWS Elastic Transcoder, Elastic beanstalk

Zest Finance   *May 2015 – Aug 2016*
Software Engineer
Zest Finance is a credit underwriting company with software to access credit risk and supply underwriting technology via machine learning.

- Built REST API's and client adapters for micro-services in a loan servicing platform.
- Competed and won internal hackathon building a chatbot servicing application
- Taught industry and technical patterns in internal engineering presentations (See the "Generating parsers talk" below)
- Worked closely with data science team for data-pipeline and containerization needs
  - Helped integrate LIME-explainer into certain flows for understanding ML decisions
  - Led many data-munging tasks in python and set up performant docker-backed notebooks for the machine learning teams.

Technologies: Ruby/Rails, MySQL, Python, Docker

Other companies   *Mar 2013 – Feb 2015*
- Full-stack software engineer – Sports Engine (2014–2015)
- Full-stack web developer – Sparkweave (2013–2014)

Presentations

Code gen bridge talk

presentation on generating frontend types from your backend api

Generating parsers talk

presentation focused on using haskell parsers for financial data

Reflex FRP and reactive interfaces

slides for a meetup: GHCJS reactive framework, Reflex, and some basic FRP concepts

Code   **github. com/tippenein**

countable-inflections

Haskell library duplicating rails countables

TU41 parser

An FFR parser for Transunion credit data. (Used as an internal tool and example for talks at Zest). Also, includes jupyter notebook of uses **here**

Bank Holiday

A Haskell library for identifying and doing date-math around bank holidays

L-System experiment

An OpenGL display for L-System experiments I was interested in