Irakli Saparishvili @safareli

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SUMMARY

Senior Software Engineer specialized in front-end web engineering. Active contributor of functional programming community (PureScript, Fantasy Lend, Sanctuary.js, Fluture.js, Typelevel Cats).

- Implemented stack safe version of PureScript's Effect monad.
- Implemented stack safe Free Applicative with best possible performance in [JS](JS) which was then ported to Scala and PureScript.
- Ported MonadRec, Alt, Plus, Alternative to fantasy land, was actively involved in its adoption in JS (Ramda.js , Sanctuary.js , Fluture.js).
- Was mentioned in Acknowledgments of Build Systems à la Carte and Selective Applicative Functors.

EXPERIENCE

Senior Front-end Engineer @ Foam Space   *April 2018 – October 2019 (1year 7 month)*

- Led building of FOAM Map's front-end, which is Token Curated Registry of Points Of Interests running on **Etherium** main net. UI was built on **PureScript** and **Halogen.** Port of **Redux/Saga** I've developed, was used to make the app realtime**.**
- Occasionally made contributions to the backend, build on **Haskell.**
- Made full port of optparse-applicative to PureScript.
- Ported hooks and parallelism API of hspec into purescript-spec
- Developed and contributed to various supporting libraries, all of which are open source.

Software Engineer @ SlamData   *March 2017 – March 2018 (1 year)*

- Worked on front-end of the SlamData NoSQL visual analytics tool, using **PureScript** and **Halogen.**
- Develop date, time, date-time, interval, color, color palette picker components.
- Did extensive clean up of **CSS** and introduced modular approach of writing **CSS**.
- Developed and contributed to various supporting libraries, all of which are open source.

Software Engineer @ Shift   *February 2016 – March 2017 (1 year 2 months)*

- Designed API and developed **React** app for editing tree structure representing car configurations.
- Developed chrome extensions for parsing condition of a car, based on Vehicle History Report HTML page from CarFax, Then ported parser logic, into our backend build on **Go,** including extensive tests executing regularly against freshly fetched reports.
- Worked on automation of marketing emails and some other operational processes, which involved development in salesforce environment using **Apex,** and our **Go** backend.
- Made various UI improvements and bug fixes of the main public facing web app.

Front-End Software Engineering advisor @ WeAreDe   *May 2015 – February 2016* (10 months)

- Introduced and formed a methodical approach to building highly responsive and scalable websites. it involved analysis of multiple PSD files for each project using script with **[psd.js](psd.js)**, which parsed all of those files and resulted in data**,** which then was **normalized** (throwing away slight variation of colors for instance, indistinguishable for the human eye). Using Responsive Utility classes, modular approach of writing CSS (CSS Bliss) and with help of **React.js**/**JSX** result was that time of developing new pages were dropped significantly and results were of much higher quality than before.

Software Engineer @ AzRy   *May 2014 – February 2015* (10 months)

- Pioneered rewrote of *LEPL - Legislative Herald of Georgia*'s website from *Joomla 2* to **Drupal 7**.
- Designed and implemented **HTTP API** for native Android and iOS clients.
- Built native **iOS** app for the LEPL — Matsne *on* **Objective-C**.
- Wrote front-end of TBC Bank's project [P2P](P2P) - Pear to Pear Money Transfer. used **MVCSS** approach for writing maintainable and scalable **CSS** and **Gulp.js** for development workflow automation.

Software Engineer @ ITDC   November 2012 – August 2013 (10 months)

- Built MyVideoTV application for *Android devices* and custom *TV Boxes* *using*: **Java** / **Android SDK**.
- Wrote front-end of some responsive web sites *using*: **Bootstrap** and **jQuery** Libraries, **Guard** for automating development workflow, **Sass** and **Compass** for writing **CSS.**

COMMUNITY INVOLVEMENT

Co-founder & Co-Organizer @ uniHack   *December 2013 – December 2015* (2 years)

- Organized 4 large international college hackathons in the country of Georgia.
- Developed web sites for our **hackathons**. *Sources: github/uniHackio.*

EDUCATION

Computer Science, B.S.   Fall 2013 – Spring 2018

Georgian Technical University, Tbilisi, Georgia