

## Jesse Earle

NYC | earle.jesse@gmail.com | (908) 399 - 1635

*Polyglot software developer experienced in building full stack data intensive web and native applications.*

---

**Frameworks/Libraries** React, React Hooks, React Native, Redux, Node.js, Express, Angular, Django

**Languages** TypeScript, Javascript (ESNext), Python, Objective-C, Swift

**Stores** MSSQL, Snowflake, PostgreSQL, Redis, Elasticsearch

**Tools** TSC, Jest, Babel, Webpack, Docker, Lerna, Yarn

---

## Work History

### ExodusPoint (07/2021 - Present)

*Consultant - LittleBigBerry Consulting*

**Protobuf, gRPC, gRPC-Web, Vite, SWC, NX, PNPM, TypeScript, React, Node.js, PostgreSQL, Ant Design**

- Building a dashboard for pricing various options (No-Touch, Double No-Touch, etc.) based on user inputs (expiry, currency pair, barriers, etc.), with real-time PV calculations using market conditions and financial models.
  - Built out our monorepo architecture and addressed concerns around ESM/CJS compatibility, fast compilation, caching and version management both inside and outside of the monorepo.
  - Built bonus allocation API and application.
  - Built calendar event API and UI.
- 

### MSCI Inc. (10/2020 - 11/2023)

*Architect*

**TypeScript, React, Express, Node.js, MSSQL, Elasticsearch, AWS, Snowflake**

- Built external client facing real estate pipeline REST API from MSSQL and Elasticsearch.

- Built external client facing React app using the real estate pipeline REST API.
  - Built AWS Cognito authentication service in Node.js.
  - Building real estate data pipeline from MSSQL to Snowflake.
- 

## **Morgan Stanley (03/2018 - 08/2020)**

*Lead Engineer - LittleBigBerry Consulting*

### **React, React Hooks, Express, Node.js**

- Built Fixed Income Real Time Finance Dashboard architecture, UI and APIs.
  - Built Fixed Income Budget Dashboard architecture, UI and APIs.
  - Built Fixed Income Headcount Dashboard architecture, UI and APIs.
  - Transitioned API architecture to a modern Node.js/Express application for building/aggregating user friendly APIs, while leveraging existing KDB+/Q for real-time in memory stream processing of large financial datasets.
  - Transitioned Cross Desk Administration Angular.js application to a modern React application, module by module, until Angular.js could be fully removed.
  - Interfaced with and translated specs from Fixed Income analysts into realtime UIs and APIs.
  - Refactored existing Cross Desk Dashboard, from a grunt based concat build to a modern Webpack, ESNNext, Babel pipeline.
  - Maintained existing Cross Desk Administration tool.
  - Built Fixed Income Finance Email Builder/Scheduler Dashboard architecture, UI and APIs.
  - Manage a team of 2 engineers.
- 

## **OkCupid (06/2017 - 01/2018)**

*Senior Engineer*

### **React, Redux Thunk, Node.js, Sass, Pub, Docker**

- Built administrative web portal for moderators to view fake profiles and abusive messages between users.

- Built server side rendering service for React applications.
  - Built payment frontend/integration with backend API.
- 

#### **Swett/Pineaapl.io (08/2015 - 12/2017)**

*Co-Founder/Developer*

**Swift, OAuth2.0, Node.js, Express, Sequelize, Docker, PostgreSQL, Estimote**

- Built an automated exercise tracking application and gym analytics tool that links small hardware beacons with an exerciser and begins automatically tracking treadmill/elliptical distances and free weight repetitions.

**Firebase, React, Redux, Redux Sagas, Reselect, Styled Components, React Router, React Native, Chart.js, Docker**

- Built analytics system that gathered feedback from customers at checkout on various metrics such as service/speed/quality in real time.
  - Built dashboard for analyzing and displaying gathered customer ratings. The dashboard provided visuals for hourly, daily, weekly, and monthly breakdowns of rating to pinpoint problematic locations and hours all in real time.
- 

#### **Yieldmo (02/2016 - 05/2017)**

*Senior Software Engineer*

**React, React Router, Redux, Docker, Babel, Webpack, GraphQL, Mocha, Chai, Enzyme, Node.js, Express, ESLint, Karma, OAuth2.0**

- Built internal fullstack web application using Node.js/GraphQL and React/Redux to manage and generate ad creatives that are deployed on Google's DFP (Double Click for Publishers).
- 

#### **MallHawk, Inc (09/2014 - 09/2015)**

*Senior Frontend Software Engineer*

**ObjectiveSugar, Lockbox, FBSDKCoreKit, FBSDKLoginKit, Adjust, AFNetworking, Alamofire, PromiseKit, OCMapper, RestKit**

- Built version 1 of I Wanna, a location based application that suggests where to go and offers discounts at participating vendors along the way.

## **Ember, Ember CLI**

- Built version 1 of MallHawk. A marketplace for local vendors to compete with online retailers in an automated reverse auction.
- 

## **Consulting (03/2014 - 09/2014)**

*High5Games*

### **AngularJS, Node.js, Mocha, Chai, Gulp, Browserify, WordPress, Bootstrap**

- Built API for filtering, sorting, and searching game data.
  - Built API driven web UI for filtering, sorting and searching game data.
  - Built UI framework for serving ads.
- 

## **Shopbeam (03/2013 - 03/2014)**

*Senior Software Developer*

### **AngularJS, Browserify, Node.JS, Express, Stylus, Jade, Sequelize, Postgres, Redis**

- Built infinite scrolling dashboard for content publishers.
  - Built AWS S3 Node.js module for streaming and storing images on S3.
- 

## **ICC Lowe Thermal (03/2011 - 09/2012)**

*Senior Software Developer*

### **Objective-C, Ruby, C#, MonoTouch, Surface 2.0 SDK, Express, RoR, CSS, HAML, JSON, MySQL**

- Built multiple content dissemination playlist iOS application using Cocoa and MonoTouch.
  - Built a 4 player touch table game for the Microsoft Surface (now called PixelSense).
  - Built multiple websites and e-detailers.
-

**Enterprise Systems & Services, Rutgers University (03/2010 - 03/2011)**

*Software Developer*

**Dojo, Java, SpringMVC, Oracle**

- Built Rutgers' frontend Undergraduate Admission application.
- 

**Chromecell (09/2009 - 03/2011)**

*Programmer*

**Python, wxPython, COM**

- Built cell line lineage tracker for the robotics department.
- 

**Education**

*Rutgers, The State University of New Jersey, Dropped Out (2006-2010)*