# Brian Ephraim - principal frontend engineer

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## 18 year professional summary

### Technology

**Languages:** ES6 - Javascript - HTML5 - Sass - CSS3 - Bash - LESS - PHP - SQL  
**Frontend libraries:** React - Redux - Angular - jQuery - Require - Backbone  
**Tooling:** WebPack - NPM - Gulp - Grunt - Docker - Vagrant - ImageMagick - Bower - Yeoman  
**Servers:** Node - Apache  
**Testing:** Jest - Mocha - Chai - Enzyme - Karma - Jasmine - Protractor  
**CSS libraries:** Bourbon - Bootstrap - Foundation  
**Databases:** MongoDB - MySQL  
**Cloud services:** Amazon Web Services (AWS) - Github - Sentry - GitLab - BitBucket  
**Client/Server Communication:** AJAX - WebSockets  
**Graphics Applications:** Sketch - Zeplin - Photoshop - Illustrator - InDesign  
**Other Applications:** Sublime - iTerm2 - Chrome Dev Tools - iOs Simulator - Genymotion - All the Browsers  
**Version Control:** Git - SVN - CVS

### Career

#### TED Conferences (video & education) - Consultant, January 2018 - present

* Developing React Native applications from the ground up (iOs, Android, and web)
* Meeting application requirements as sole app developer on one project
  + launching the app to production in iOs App Store and Android Play Store and as a web app
  + setting up a new React Native project
  + deploying with Fastlane to Android and iOs Beta testers
  + handling Apple and Google signing certificates
  + built entire application’s screens and business logic
  + developing a custom navigation system
  + building backend in Node to support Beta phase
  + communicating backend requirements for production needs to backend engineers
  + accomplishing network interacting with GraphQL
  + integrating Codepush for faster iterations
  + closely collaborating with design and product on features
  + building a custom video player with video download and caching functionality
  + inventing a markdown-based pseudo CMS for non-technical copy contributors
* Technical leading on another brand new React Native project
  + maintaining both projects together as a monorepo with a custom architecture to maximize code sharing
  + converting specifications into tickets for other engineers to accomplish
  + providing principle code reviews for four engineers to ensure code quality, performance, and conformance with established systems and patterns

#### Float (resource scheduling) - Senior Frontend Developer, November 2017 - March 2018

* Building a Slackbot
* Implementing new features and bug fixes on a complex legacy website
* Using React and Redux

#### Building Robotics (internet of things) - Senior Frontend Engineer, November 2016 - May 2017

* Migrating build process towards Webpack
* Advocating migration towards React/Redux
* Establishing end-to-end test system
* Integrating websockets in application frontend
* Reviewing contributor code
* Working 100% remote
* Agile

#### OKCupid (dating website) - Frontend Engineer, November 2013 - August 2016

* Building single-page and mutli-page web apps
  + Using React and Angular
  + responsible for entire dating site front end feature sets
  + in both sole code owner and collaborative roles
* Developing features, such as
  + complex business logic
  + touch and swipe interaction
  + infinite scroll
  + pull to refresh
  + pinch to zoom
  + photo upload
  + Instant chats and notifications with WebSockets
  + Tinder-like card swiping interface
  + animated screen transitions with 3D effects
  + swipeable image galleries
  + phone/tablet responsive
  + geolocation
  + sticky footers and headers
  + lazy loading assets
  + optimized load times via vanilla.js landing pages, on-demand asset loading, bundling, and compression
  + unit tests
* Assembling Grunt development environment, including:
  + localhost server
  + remote debugging console
  + effortless retina/non-retina spritesheet generation
  + endpoint proxying
  + build and deployment scripts for a variety of asset servers, including AWS
  + cache-busting mechanisms
  + asset compilation
  + rollback functionality
  + git integration
* Owning entire Git codebases
* Sharing Git codebases with other front-end engineers
* Conducting A/B tests
* Tweaking designs based on test results
* Organizing project roadmaps
* Transferring architecture and features between separate projects
* Writing detailed specification documents for backend developers
* Collaborating with backend developers on API modeling
* Collaborating closely with designers on product features
* Styling CSS with pixel perfect alignment against designer files

#### BernieSelfie.com (side project) - creator, July 2015 - May 2017

* creating a website that helps people combine their photos with campaign graphics and share the result on social media

#### Viggle Inc. (second screen app) - Senior Web / Javascript Engineer, April 2013 - October 2013

* Owning the Angular codebase for two single page apps
* Delegating tasks to other frontend engineers
* Coordinating production deployment with backend
* Estimating tasks, researching technology, and planning for future initiatives

#### Blaboid Inc. (startup) - Entrepreneur, November 2010 - April 2013

* Launching a social networking platform
* Coordinating business needs with lawyer, accountant, and consultants
* Developing the platform, consisting of a single page HTML5 Backbone mobile web app with user generated content, hosted on Amazon, with PHP/MySQL backend

#### Alexander Interactive (agency) - Frontend Web Developer, May 2011 - March 2012

* Serving E-commerce clients such as Lowe’s Home Improvement and Adorama
* Doing agile with daily scrum calls, sprint planning/review, and demos for executive product owners
* Flying to client corporate headquarters for onsite consulting
* Working with distributed team members via Skype and email

#### KickApps/Kit Digital (agency) - Frontend Web Developer, October 2010 - May 2011

* Developing social portals for such clients as:
  + The Doctor Oz TV Show
  + MIT University
  + Penguin publishers
  + Book Of Cool
  + Squabbler
  + Sharecare
  + Leap4Life
* Working with distributed team members via Skype and email

#### Rail Europe (travel website) - Web designer, October 2006 - October 2010

* developing mobile and desktop e-commerce web frontend

#### Epoch (band) - Guitarist, September 2003 - October 2006

* writing songs
* engineering audio
* producing albums
* performing shows
* building and programming electronic instruments
* creating the band’s website

#### Regeneron (pharmaceuticals) - Graphic designer, July 2000 - October 2005

* Designing logos, banners, posters, fliers and presentation materials
* Preparing images for patent submission
* Formatting scientific imagery for journal publication

## Education

2003 Ithaca College, Ithaca NY, Bachelor of Arts, Philosophy Major