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# Brian Ephraim - Principal Full-Stack / Front End Software Engineer

Garrison, NY (remote)

brianephraim@gmail.com - (914) 482 2364

github.com/default - linkedin.com/in/brian-ephraim-29680531

*Tech Focus*   **React - Node - React Native - AI - Typescript - Redux - GraphQL - Webpack**

*Organizational Roles*   **Architect, Senior Developer, Tech Lead**

*Career Highlights*   **OkCupid, TED, 4-5 star apps, millions of users**

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## *Professional Experience*

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

- Fullstack responsibilities
  - building backend Node JS server with Express, MongoDB GraphQL, Heroku and AWS
  - implementing JWT based authentication
  - creating Web client with React, Redux, and Webpack
  - developg iOS and Android clients build with React Native
  - configuring deployment automation with local builds and CI builds with Webpack, Fastlane, Bitrise and Codepush
  - implementing thorough accessibility
  - writing unit tests and end-to-end test
- Technical leading from-the-ground-up redesign of iOS and Android TED flagship app
  - implementing React Native framework to leverage React knowledgebase amongst contributing engineers
  - collaborating with UX/UI designers, developers, and product owners to create a superior user experience
  - providing technical advice and coaching to junior developers
  - establishing code standards for development and architecture
  - enforcing performance and memory utilization standards
  - leading sprint planning, code reviews, and product presentations
- Developing other web apps and native apps
  - building entirety of applications' screens and business logic
  - leveraging massive reusability of code across various apps, for web, native, and backend with React Native Web and Node through a monorepo architecture
  - launching the app to production in iOS App Store and Android Play Store and as a web app

- implementing in app purchasing
- handling Apple and Google signing certificates
- developing a custom navigation system
- communicating backend requirements for production needs to backend engineers
- accomplishing network interacting with GraphQL
- closely collaborating with design and product on features
- building a custom video player with video download and caching functionality

**Float (resource scheduling) - Senior Frontend Developer  
Remote, 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  
Remote, November 2016 - May 2017**

- Migrating build process towards Webpack
- Writing unit tests
- Establishing end-to-end test system
- Integrating websockets in application frontend
- Reviewing contributor code

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

- Building single-page and multi-page web apps
  - Using React and Angular
  - responsible for entire dating site front end feature sets
- 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
  - 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
- Collaboration with other developers through git
- Conducting A/B tests and adjusting designs based on 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

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

- Owning the Angular codebase for two single page apps
- Delegating tasks to other frontend engineers
- Estimating tasks, researching technology, and planning for future initiatives

**Blaboid Inc. (startup) - Entrepreneur  
NYC, 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  
NYC, 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

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

- Developing social portals for such clients as The Doctor Oz TV Show, MIT University, Penguin publishers

**Rail Europe (travel website) - Web designer  
White Plains, NY, October 2006 - October 2010**

- developing mobile and desktop e-commerce web frontend

**Regeneron (pharmaceuticals) - Graphic designer  
Tarrytown, NY, July 2000 - October 2005**

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

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*Education*

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