

Ephraim Pei

Web Engineer

Personal Info

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Personal Site

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LinkedIn

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Github

github.com/ephraimpei

Medium

medium.com/@ephraimpei

Instagram

instagram.com/ephraimpei/

Skills



Professional Web Engineer. Expert JavaScripter. Functional Programmer. Passionate Mentor.

Experience

04/2017 - present

Frontend Engineer

VICE Media

- Engineer for all Web based VICE Video products and supporting libraries
- Improve continuous deployment workflow with Travis CI, AWS deployments, Now.js test deployment builds, Coveralls, and Fastly CDN asset caching
- Bump code coverage from 5% to 30% using Karma, Enzyme, Chai, Sinon, and Chrome Headless. Enable code coverage visibility with Istanbul
- Reduced total download size by 12% with smarter dependency management
- Transform monolithic script into main (cached least), modules (cached longer), and vendor (cached longest) scripts with Webpack code splitting
- Emphasis on Node and frontend performance. Reduce Node pre-fetch data response times by 25% and shed frontend memory consumption by 15%
- Migrate several codebases from JavaScript to Typescript. Stay up to date on Typescript changes to evangelize and teach new features to other developers
- Lead engineer on high impact project to implement video analytics logging

04/2016 - 04/2017

Frontend Engineer

Fusion Media Group

- Engineer for PHP powered site and vertical themed Node web apps
- Transform monolithic CMS application into 'headless' CMS architecture
- Build Node apps featuring universally renderable React components, Redux data flow, API response Redis caching, and Akamai CDN asset caching
- Core maintainer of shareable React components NPM module
- Manage third party vendor implementations with Google Tag Manager. Enforced async tag loading with cohesive event trigger chains
- Own web and video analytics logging initiatives. Implement custom logging events such as feed item depth and article scroll depth
- Enhance custom PHP based e-mail newsletter templating solution with vertical theming and modular newsletter section components

01/2016 - 04/2016

Software Engineer (Contract)

Renaissance Albums

- Architect and developer of Wordpress to ERP system data sync service

01/2013 - 10/2015

Senior IT Consultant

Ernst & Young

- Product manager for ERP and web enabled supply chain application deliveries

11/2009 - 12/2012

IT Systems Integration Analyst

Accenture

- Functional, test, and tech support lead for ERP enabled supply chain solutions.

Education

08/2005 - 05/2009

Lehigh University

- B.S. Industrial Engineering, Cum Laude

Additional Activities

- APEX For Youth, Mentor** - mentor under-privileged Asian youth
- ScriptEd, Advanced Javascript Teacher** - teach weekly Advanced JS class
- Sports Aficionado** - Indoor rock climber, cyclist, basketball player (huge NBA fan)