

Jeremy S. Bernier

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Senior full stack engineer who's built commercial single-page apps from scratch for billion dollar companies, led and managed engineering teams, and isn't afraid to get his hands dirty.

EXPERIENCE

Vroom

New York, NY

ENGINEERING LEAD

July 2016 – Nov 2017

- First engineering hire in NYC for Vroom, an ecommerce company with over \$1 billion in revenue.
- Rewrote flagship ecommerce website (vroom.com) from scratch as a single-page app on a modern tech stack (Node.js, React, Redux, Webpack, PostCSS, Sass, Nginx, Docker, CircleCI, Google Cloud, Optimizely for A/B testing, etc)
- Led team of 5 engineers, utilizing agile/scrum, Jira, etc. Responsible for hiring/firing.
- Created internal boilerplate, which was used by other developers for creating internal apps and other product offerings

iHeartRadio

New York, NY

FULL STACK ENGINEER

Dec 2014 – June 2016

- Full-stack web engineer for www.iheart.com (20M unique visitors/month), a universal single-page app with a music player. React.js, Node.js, Javascript (ES6), Sass/Compass, Jenkins, AWS, Jenkins, git, Docker, Foundation, Jira, Agile, etc. Was the solo web engineer for 3 of those months.
- Developed favorites radio station page/functionality, my music page, new podcast player, etc. Analytics tagged via Omniture and Localytics
- Migrated player from flash-based FlowPlayer to JW Player. Implemented features such as automatically reconnecting after losing internet connection and logging errors via UDP
- Worked on making site responsive and mobile-friendly (Sass, Foundation), made mobile banner ad
- Implemented Optimizely (A/B testing), Appboy (real-time push notifications), and anonymous listening.
- Fixed a countless number of inherited critical (often ridiculous) bugs (eg. player randomly freezing)
- Updated the Chromecast player to support JW Player and HLS streaming

Varick Media

New York, NY

PLATFORM ENGINEER

Feb 2014 - August 2014

- Wrote MapReduce queries in Scala to run via Spark over Hadoop cluster.
- Created interactive data visualizations with D3.js and Three.js/WebGL
- Proposed the adoption of a front-end framework and implemented Angular.

Bank of America Merrill Lynch

New York, NY

TECHNOLOGY ANALYST INTERN

June 2011 - Aug 2011

- Identified and quantified inconsistencies between BofA and Merrill Lynch's legacy databases to support data consolidation efforts

Software Technologies Lab

Blacksburg, VA

WEB DEVELOPER

May 2009 - Nov 2009

- Developed with PHP, MySQL, and Javascript to add new features to a proprietary website used by the Department of Energy.
- Created an annual reporting system and an alert notification system.

EDUCATION

Columbia University

New York, NY

M.S. OPERATIONS RESEARCH

Sep 2012 - Dec 2013

Virginia Tech

Blacksburg, VA

B.S. MATHEMATICS, Magna Cum Laude

Sep 2008 - May 2012

GPA: 3.94/4.00 (last 3 years), T.W. Hatcher Mathematical Scholarship

OTHER

Interests: Travel (visited 33+ countries), video production, music production (eg. EDM), economics, self-development, entrepreneurship