

# Jesse Beard

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[github.com/jessebeard](https://github.com/jessebeard) | [linkedin.com/in/jessebeard](https://linkedin.com/in/jessebeard)

## SKILLS

**Languages** | Javascript (incl. ES6+), HTML5, CSS3, Python, Shell Scripting, C++, Ruby

**Databases/Devops** | MongoDB (with Mongoose), MySQL, Cassandra, PostGres, AWS(EC2 and S3), Docker

**Libraries & Tools** | Node, Express, React, Sass, Webpack, Babel, Jest, Enzyme

## TECHNICAL PROJECTS

**Back-End Infrastructure Upscale** | [Github](#)

*Implemented a **NGINX load balancer** on **Node.js** servers, stress tested **Apache Cassandra** and **PostgreSQL** dbs.*

- Increase web scalability, user engagement, and traffic by determining and implementing the best web development standards.
- Analyzed database technologies, optimized each, and performed load testing before scaling.
- Utilized NGINX load balancing, horizontally scaled node on EC2 micro to 1.2kRPS/60x improvement.
- Streamlined backend infrastructure to containers for 1 click deployment and Kubernetes reducing release cycle iteration time by a factor of 10+.
- Planned server-side rendering to further increase performance and decrease bundle size.

**Full Stack Prototype Module for E-Commerce** | [Github](#)

*A dynamic, responsive UI using **React**, backend and API with **MongoDB + Express**, custom **Webpack** configuration.*

- Translated designs cross-browser for a variety of screen sizes
- Built out a Mongo + Express backend for quick iterations over the stack.
- Gather requirements for technical constraints of a project, and make pragmatic tradeoffs with stakeholders
- Extracted a dynamic gallery utilizing custom React Hook & CSS transitions, reduced renders 10x.
- Engineered a UI with a combination of CSS Grid, Flexbox, and SVG icons for improved page responsiveness and precise, dynamic rendering.
- Implemented a full featured custom modal further reducing bundle size, all components draw in <1ms.
- Create outstanding user experiences on both desktop and mobile by collaborating cross-functionally with teams

## WORK EXPERIENCE

Senior Operations Leader | **Metalco** | Emeryville, CA

Aug 2013 - February 2019

### Coding/Scripting

- Scripted data entry to reduce repetitive input, automated various document production, created job tracker.
  - Data pipeline drove more accurate job costing, which in turn led to 600% increase in income
- Built a website and handled web presence, which accounted for 40% of new customers in the following year.

### Project Management

- Managed customer relationships and balanced priorities across multiple big budget projects. Our position as a metal finisher meant we were at the tail end of the value chain – often the final step of years of work.
- Spearheaded legal proceedings and worked hand-in-hand with multiple legal teams.

### Interpersonal Relationships / People Operations / Leadership

- Hired, trained, and mentored 4 employees in positions requiring the handling of class 8 corrosives.
- Solved employee disputes and improved employee satisfaction and loyalty through active engagement.
- Fostered employee excellence through hands-on training and appreciation.
- Held weekly safety meetings that also served to coordinate staff around priorities.

## EDUCATION

Hack Reactor - Software Engineering

2020

City College of San Francisco - Computer Science | (C++ & Shell Scripting)

2019

Sierra College - General Studies

2012