

# Alvin James T. Delos Santos

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[ajdelossantos.github.io/My-Portfolio](https://ajdelossantos.github.io/My-Portfolio)

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## SKILLS

JavaScript, MongoDB, Express, Node, Webpack, Babel, Ruby on Rails, RSpec, PostgreSQL, SQLite, React, Redux, Jest, D3, jQuery, SASS, HTML5, CSS3, Git, Jenkins, Chef, AWS (EC2, OpsWorks, RDS, Route53, Cloudfront, S3)

## PROJECTS

### Abstract

[Live Site](#) | [Github](#)

*A RESTful single-page blogging application built on PostgreSQL, Ruby on Rails, and React-Redux*

- Implemented a JSON Rails API, combining JSON payloads from multiple tables into one API call to simplify frontend re-render logic and redux state updating
- Leveraged complex user model associations and Ruby formatting methods to normalize JSON payloads to minimize database calls and delegate data transformation to the back end
- Achieved a minimal, modular, and responsive design with CSS3, Flexbox and reactive forms
- Alternate AWS deployment at-scale using Jenkins for CI/CD and Chef for fleet management

### Ranking Job Skills in Bubbles

[Live Site](#) | [Github](#)

*A D3-powered data visualization of job-skills data and DOM manipulation showcase*

- Formed a seamless UI by weaving multiple DOM manipulation techniques with D3, jQuery, and vanilla JavaScript to render job listings and skills
- Utilized D3.js to chart job-skills as interactive bubbles, mapping expertise to color and importance to size
- Created an intuitive UX by engineering on-hover tooltips and color-changing bubble outlines

### Recruiter Router

[Live Site](#) | [Github](#)

*Dynamic portfolio-website builder and website analytics service implemented on the MongoDB, Express, React-Redux, Node.js (MERN) technology stack with charts created through Chart.js*

- Designed denormalized document state, database seeding script, and portfolio model to optimize DB read times
- Incorporated Moment.js and Chart.js into a streamlined web analytics dashboard to track visits by individual recruiters and visualize timestamps in chart and summary views

## EXPERIENCE

**Freelance Software Developer**, San Francisco Bay Area

Present

**Marketing Assistant**, California Nevada Methodist Homes

2017

- Spearheaded re-engagement campaign of 200 lost-leads per month through cold calls and special events, doubling secured depositors per month in a high-occupancy retirement community

**Administration (Fundraising) Assistant**, Stanford Jazz Workshop

2015 - 2016

- Formulated new SQL query to donors database, increasing donor letter output by 500% through enabling batch processing via mail merge and reduced average company response to donors from weeks to days

**Graduate Teaching/Research Assistant**, Washington State University

2013 - 2015

- Lead team in securing \$45k in new funding for music organizations, oversaw grant-awarding procedures, mentored high school and undergraduate students in music theory/performance/career goals, directed 21-member "One O'clock Jazz Workshop" band

## EDUCATION

**Washington State University**  
**University of California, Davis**

*M.A. Entrepreneurship and Music, interdisciplinary*  
*B.A. Economics and Music Composition*

### App Academy

- DevOps, CI/CD, TDD, scalability, algorithms, OOP, coding style, REST, security, single-page apps