

# MUHSIN ABDUL-MUSAWWIR | SOFTWARE ENGINEER

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## TECHNOLOGIES

**Strong:** JavaScript, ES2015, HTML, CSS, Webpack, Git, SQL, NoSQL jQuery, AngularJS, Ionic, React, Redux, Node, Express, Mongoose, MongoDB, Sass, PostgreSQL Gulp, Babel

**Knowledgeable:** Typescript, Heroku, Reflux, MySQL, ImmutableJS, Stylus, Travis, Firebase, C++, Java, Grunt

## PROFESSIONAL EXPERIENCE

**PARTY OF LINCOLN • Private Repo** 2015 - 2016

**SOFTWARE ENGINEER | FRONT-END MOBILE**

Created a hybrid-mobile application for increasing civic engagement. Styled pixel-perfect interfaces for various device screen sizes from hi-res design mocks. Enhanced modularity and code readability by implementing component based architecture and usage of style preprocessors.

- Increased performance and scalability by refactoring to a light Angular 2 codebase from a legacy Angular 1 base.
- Optimized app load time by 1200ms, removing widgets and limiting application program interface (API) calls.
- Accelerated the number of views with Soundcloud and YouTube content.

**TELEGRAPH ACADEMY • Berkeley, CA** 2015 - 2016

**HACKER IN RESIDENCE**

Taught introductory and intermediate JavaScript and computer science fundamentals. Designed and delivered version control curriculum on Git and GitHub. Maintained and improved the current JavaScript curriculum.

- Appointed lead instructor for Telegraph Academy Preparation course.

**BERKELEY UNIFIED SCHOOL DISTRICT • Berkeley, CA** 2010-2015

**COORDINATOR, EXTENDED SCHOOL DAY PROGRAM**

Trained and supervised a staff of over 20 teachers and contractors. Collaborated with literacy coaches and UC Berkeley partners to build a school-wide literacy program.

- Increased the number of students participating, from 100 to 250.
- Improved student literacy scores on state evaluations.
- Exceeded position expectations and was consistently commended on annual performance reviews.

## ENGINEERING PROJECTS

**SOUNDGLOMERATE • [github.com/De-La-Soul/soundglomerate.git](https://github.com/De-La-Soul/soundglomerate.git)** 2015

**SOFTWARE ENGINEER | FULL-STACK**

Developed a single-page-application to consume API's of event websites and aggregate data allowing users to make personalized searches for local music events. Collaborated with four engineers to build a full-stack Angular 1.4.

- Improved the user experience by implementing an event search and filter feature.
- Optimized the build and deployment processes using TravisCI, Github and Heroku integrations

**SG - REACT • [github.com/soundglom/SG-React](https://github.com/soundglom/SG-React)** 2015

**SOFTWARE ENGINEER | FULL-STACK**

Refactored a legacy AngularJS application into ReactJS, ES2015. Integrated testing with Mocha, Chai and Chai-Immutable. Managed application states with Redux. Bundled and transpiled the app with Webpack and Babel.

## EDUCATION AND CERTIFICATIONS

**TELEGRAPH ACADEMY, Berkeley, CA • ADVANCED SOFTWARE ENGINEERING IMMERSIVE** 2015

**CALIFORNIA STATE UNIVERSITY EAST BAY, Hayward, CA • COMPUTER SCIENCE COURSEWORK** 2008 - 2010