

# SALLEM AHMED

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<https://asallem94.github.io/>



[asallem94](#)



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[sallem-ahmed](#)

## SKILLS

### LANGUAGES

JavaScript, Ruby,  
SQL, CSS3, HTML5,  
Git, Swift 4,  
MATLAB®,  
PostgreSQL/ SQLite  
(object-relational  
Database), Firebase  
(Nodal Database)

### TECHNOLOGIES

React, Redux, AWS  
jQuery, Active Records,  
Rails Action Cables/ Web  
Socket, Ruby on Rails,  
Google Maps API

## EDUCATION

**App Academy - Web**  
Application Development  
2018 Full-time program

**The City College of New  
York – 2012-2017**  
Bachelor of Engineering  
Structural Civil  
Engineering - **GPA: 3.7**

### Relevant Courses

Machine Learning,  
Computational Methods,  
System Analysis,  
Differential Equations,  
Linear Algebra, Finite  
Elements

## PROJECTS

### Muzsphere: Tech Lead on Web and Mobile Application

[LIVE](#)

*Reactjs, React Native, Redux, Rails, PostgreSQL*

- Implemented secure token authentication to be compatible with mobile and web applications.
- Create user martial analysis reports unique to the user's compatibility within the viewable group or event
- Extract event and groups by user filters according to boundary location from user location or selected reference point, search query results by title or description, and by date.
- Leveraged join tables for RSVPs and joining groups.
- Incorporated AWS for hosting user, groups and event images

### Meet-in: Meetup Inspired Web Application

[LIVE](#) | [REPO](#)

*React, Redux, Rails, PostgreSQL*

- Extract event and groups by user filters according to radial distance from user location or selected reference point, search query results by title or description, and by date.
- Leveraged join tables for RSVPs and joining groups.
- Implements Action Cables for two-way messaging communication.
- Utilizes google translate plugin to allow users to interact in their native language.
- Incorporated AWS for hosting user, groups and event images

### Cannon Guardian: Browser-based Game

[LIVE](#) | [REPO](#)

*JavaScript, HTML, CSS*

- Incorporated animation frames with projectile motion.
- Resized Cannonballs with 3d perspective without leveraging external libraries.
- Included incrementing scoring and difficulty.
- Sound interactive with user and game actions

### IOS Event Management Application

*Swift 4.1, Firebase*

- Fully programmatic implemented application with user-interactive animations.
- Functional instant text, image and video messaging implementation using Firebase Real-time Database.
- Firebase Authentication applied for secure log in and profile setup.

## EMPLOYMENT

### Turner Construction, Field Engineer, Cost Analyst

**September 2017-2018**

*Focused on Management, Leadership and Software solutions*

- Managed subcontractors of 10-30 labors in renovating the Mt. Sinai pediatric center and neurology center.
- Built Management Software tool to manage the attendance and work of construction laborers.
- Developed a Risk Management Analysis tools to aid in analyzing and understanding unfortunate possibilities and proper approaches to minimize risk.