

# Mohamed Albgal

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## WORK EXPERIENCE

### Splunk

*Safety & Security Team Lead - Contractor*

*September 2019-Present  
San Francisco, CA*

- Train and assist new team members with infrastructure protocols and tooling
- Respond to internal inquiries and propagate them up the communication chain to ensure completion
- Enhanced protocols and tools for scheduling, incident reporting, and communication
- Monitor and ensure premises access and safety standards are met and maintained

### Marqeta Inc.

*Data Analyst Intern*

*June 2018-August 2018  
Oakland, CA*

- Large backlog of spreadsheet records containing erroneously flagged transactions caused by interface issues between legacy financial systems and company's proprietary system. Resultant solution was to process the records manually, requiring delegation to intern cohort
- Increased team's efficiency by a factor of 2 by optimization workflow using Google AppScript
- Collaborated with engineers on a potential solution to have the entire process automated for future use

### CCC Sanitation District

*Engineering Intern*

*January 2016-July 2016  
Pleasant Hill, CA*

- Learned AutoCAD command line for efficient design drawing
- Created knowledge objects for future interns to help with understanding context
- Ensured project artifacts were stored per standard procedures and updated as needed

## PROJECTS

Yemeni-American Resource Center Web Development: Created a JAMstack website set meant to serve the Bay Area Yemeni community. Site was highly extensible with a robust UI and available in Arabic or English languages. Utilized content management tool NetlifyCMS for efficient content creation flows. Frontend built with ReactJS and TailwindCSS for styling. Gatsby framework was used to utilize GraphQL for backend data requests for each build. Monthly maintenance costs are low. Hosted statically on Netlify CDN servers at <https://www.yarcenter.org>

Boxury Furniture Renting: iOS application that allows users to list and rent their furniture. Developed in Swift with MVC architecture. Cloud backend utilizes Firebase for user authentication and data persistence.

Image Uploading and Tag Generation: Web app that allows users to upload images and search based on their images' content. Utilized AWS Rekognition, Amplify, DynamoDB, Elasticsearch, Serverless framework, ReactJS.

## TECHNICAL SKILLS

**Languages:** Java, C, JavaScript, Python, Swift, Kotlin

**Scripting Languages:** Python, Bash

**Databases:** NoSQL(DynamoDB, MongoDB), PostgreSQL, MySQL

**Cloud Platforms:** AWS, Firebase

**Testing Frameworks:** Mockito, JUnit

**Data Platforms:** Splunk

**Version Control:** GitHub, CodeStar

**Frameworks/Libraries:** GatsbyJS, TailwindCSS, ReactJS, Spring(Spring Boot), Maven, Serverless

**IDE:** VisualStudio Code, Eclipse XCode

## EDUCATION

B.S. Software Engineering  
San Jose State University

*May 2020  
San Jose, California*