

## Stuthi Makali Balaji

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### Education

University of California Irvine, Irvine  
Master of Science - Computer Engineering

Sept 2014 – Dec 2015

GPA - 3.58

RNS Institute of Technology, Bangalore, India  
2012 Bachelor of Engineering, Instrumentation Technology

August 2008 – May

GPA - 3.85

### Areas Of Interest

Web Application Development, Front-End Engineering, UI/UX, Object Oriented Programming, Algorithms.

### Skills

ReactJS    JavaScript    ES6    HTML/ CSS    Lodash    MaterialUI

### Voluntary Projects <https://github.com/stuthib/React-Apps>

#### Tic-Tac-Toe

This app demonstrates concepts such as component reusability and re-rendering of changed components on the screen using Virtual Dom in React JS. A timer was implemented to keep track of the game.

#### To-Do List

This app maintains a To-Do list in which the user can filter the list based on active/ completed to-do items. The app, developed in React, employs lifting state-up and state management.

### Experience

#### Balbix, San Jose CA

Nov 2017 - Nov 2018

San Jose, CA-95128

Software Engineer

- Responsible for architecting and developing the following user intensive application dashboards using ReactJS, Material UI, Victory Chart, Lodash, Javascript.  
User Preferences Dashboard to manage user profile information, notification and subscription preferences.  
Insights Dashboard with navigation tabs to represent system generated insights for a high level display using line charts with custom popups and a detailed view via expanding tables.  
Mitigation Dashboard that allowed users to apply or override application generated mitigations. The mitigation results is displayed on custom flip-cards and is filterable and sortable.
- Designed and developed a custom reusable dropdown component as a library with features like view/edit control and multi-selection.

#### eGain Communications, Sunnyvale CA

Mar 2016 - Nov 2017

Sunnyvale, CA-94089

Technical Solutions Engineer

- Building customized web packages for small and medium scale suites. Web page development using eGain REST APIs to extract data and display it using AngularJs and other front-end frameworks.
- Customizable Single Sign-on using Security Assertion Markup Language(SAML). Designed and implemented web service which collects data from SAML response and passes it to eGain application for routing.
- Development of SDK that enables chat using SMS and Facebook Messenger using Twilio Client API and Facebook Messenger API.
- Develop interfaces to implement functionalities to cover product gap. and Backup functionalities.

**Kareo Inc., Irvine, CA***June 2013 - Dec 2013*

Irvine, CA-92612

*Software Engineering Intern - Mobile iOS*

- Developed functionality such as dynamically expandable UILabel (custom rendering) based on the input typed by the user, custom UIPickerView (remote data source) to show custom content for customer contact forms.
- Developed a CG Extension, to draw shapes on images with editable properties(color, width, text). Worked extensively on UITableView with custom cells. Built purely in Objective-C using Core Graphics APIs.

**Borqs Software Solutions Pvt Ltd***Aug 2012 - June 2013*

Bangalore, Karnataka-560052, India

*Software Engineer**Bangalore, India*

- Developed features for android frameworks related to home screen widgets and lock screens for various network provider companies. Developed resizable widgets that generated extendable views.
- Managed migration of the android frameworks from older to newer releases by reducing UI compatibility issues.
- Designed and executed test procedures for enhanced launcher and app widgets by adding animation using OpenGL.

**University Projects****Web Search Engine**

Developed a search engine to search University Domains. Implemented custom crawlers to perform URL normalization and indexing of the collected terms. Stored this content in the database along with frequency of occurrence to perform page ranking. Displayed search result URL based on a predefined count.

**Ecommerce movie portal**

Developed an end-to-end ecommerce portal that focused on managing and interacting with a large database. Extensively used joins, groups and aggregates to display data based on different types of search. Performed pagination to display different counts of results, and developed a payment gateway. Designed the UI using Twitter Bootstrap framework.