



## Michael Suriawan

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Portfolio: [www.michaelsuriawan.tech](http://www.michaelsuriawan.tech)

### Personal Profile

I am a self-taught software developer with a deep passion towards web development. The experience of designing web components that could affect user-interactions has always been exhilarating for me. Currently, **I am looking for an 8 month technical-internship position starting in January 2020.**

### Technical Skills

#### Front End

- React.js / Hooks
- Redux
- Material-UI
- JavaScript ES6 / ES5
- HTML5
- CSS / Flexbox & Grid
- SASS
- Bootstrap 4

#### Back End / Tooling

- Express
- Node.js
- Python3
- Django
- Git
- Webpack / Babel / NPM
- Jest / Enzyme
- Axios

#### Database / Others

- Firebase
- MongoDB
- SQLite
- Java
- C
- MATLAB
- Next.js
- Postman

### Technical Projects

#### React Social Media || [Link](#) || [Github](#)

A fully-featured social media, inspired by *Twitter*, where user could create, like and comment on various posts. User will also be notified when their post is being liked and commented by other users.

- Utilized Node.js and Express for creating a backend REST API server which handles login authentication, image uploads and user notifications.
- Optimized Axios to exchange both requests and responses to and from Firebase.
- Implemented React-Router-DOM to render different components and containers to the single page application.
- Designed various React class-based and function-based components for the application.
- Utilized Material UI by *Google* as an external library in various components of the application.
- Implemented Redux Dev Tools, Action Creators and Reducers to manage the application's global state.
- ❖ **Environment:** React, Redux, Firebase, Node.js, Express, Material-UI, Axios, Postman, Next.

#### The Burger Maker || [Link](#) || [Github](#)

A web application designed to allow users to create and order their favourite burger. Users could then view their orders when they are logged in to the application. This web application is compatible with both desktop and mobile screen sizes.

- Built mainly with React and Redux, while utilizing Firebase as the backend service.
- Designed various class-based and function-based components for the application.
- Implemented React-Router-DOM to render different components and containers to the single page application.
- Optimized Axios to exchange both requests and responses to and from Firebase.
- Utilized Middleware, Action Creators and Reducers to manage the application's global state via Redux.
- Authenticating user form request via token generated by Firebase.
- Implemented Jest and Enzyme for automatic testing well before deploying the application.
- ❖ **Environment:** React, Hooks, Redux, Axios, Firebase, Jest, Enzyme, Node, NPM



### Fake Reddit || [Link](#) || [Github](#)

Just like Reddit; user could sign up, create a new post in a group, join multiple groups and create a new group in this website.

- Utilized both Python and Django as a web framework in a multi-page website project.
- Designed template models for user profile, groups and posts.
- Planned out URL routing for different pages that are being fetched.
- Utilized template inheritance to have one base HTML and injecting them across all other webpages with template tagging. Each page would then have a similar feel to it.
- Made use of both function and class-based views to display various webpages.
- Implemented Django's built-in form validation for the sign-up page.
- Deployed the website with Git and Pythonanywhere.com
- ❖ **Environment:** HTML5, CSS, Bootstrap, JavaScript, Python, Django, Git, Pythonanywhere.com

### Forkify || [Link](#) || [Github](#)

A recipe search engine that allows user to view ingredients, serving time and recipe. They have the option to select the number of servings required. They could then add these ingredients to their shopping list. User also has the option to add different recipes into the "liked" section.

- Planned the project in two parts: the Internal Module (*Calculations and array handling*) and the UI module (*Injecting HTML into the base HTML file*).
- Utilized Axios to send and receive API request from [www.food2fork.com](http://www.food2fork.com).
- Used regular expressions to limit the recipe name being displayed.
- Outsourced an external package called 'Fractional' that rounds up the amount of ingredients used in the recipe.
- Applied JavaScript's event listener and event delegation to allow user to have a smooth experience when navigating around the webpage.
- Implemented JavaScript's built in function such as innerHTML, forEach, map to display the list of recipes.
- ❖ **Environment:** HTML5, CSS, JavaScript, Babel, Webpack, Axios, Json, Node, NPM, Food2fork.com

**\*\* More projects like these are available under my [Portfolio](#) \*\***

## Education

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**The University of British Columbia:** Bachelor of Applied Science – Mechanical Engineering Expected May 2021

### Udemy Web Developer Courses:

- [Python and Django Full Stack Developer](#) by Jose Portilla.....([Certificate](#))
- [The Complete JavaScript Course 2019](#) by Jonas Schmedtmann.....([Certificate](#))
- [Advanced CSS and SASS Bootcamp](#) by Jonas Schmedtmann.....(Certificate)
- [JS React, The Complete Guide](#) by Maximilian Schwarzmuller.....([Certificate](#))
- [JavaScript Algorithms and Data Structures Masterclass](#) by Colt Steele .....([Certificate](#))

## Activity & Awards

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**UBC Launch Pad – Student-Run Software Engineering Team:** Team Member  
2019 – Present

**The University of British Columbia:** Faculty of Applied Science – 2018 Winter Session  
2018 Dean's Honour List

**Others:** Travelling, Basketball and a Technology Enthusiast !