

# YSSABEL PANGILINAN

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## EDUCATION

### University of California, Los Angeles - Extension

Mar 2020 - Sep 2020

Professional Certificate, Coding and Web Development, *A+ average*

### San Diego State University

Aug 2011 – May 2015

Bachelor of Science in Biology

## SKILLS

- **Languages:** HTML/CSS, Javascript
- **Libraries/Frameworks:** NodeJS, ReactJS, ExpressJS, jQuery, ChartJS, Bootstrap, Material Design Bootstrap
- **Database:** MySQL, MongoDB, Firebase
- **Other Skills:** AJAX, REST APIs, Agile Software Development, Git Version Control, JIRA, Bootstrap, Bash/Terminal, Responsive Web Design, VS Code

## PROGRAMMING EXPERIENCE

### MRKT - A Social Marketplace

- Implemented a consumer to consumer marketplace using MongoDB, ExpressJS, ReactJS, and NodeJS, to allow users to create listings, follow/unfollow users, view listings, like/comment, add to cart, and checkout.
- Spearheaded the project plan for MRKT which included the project road map and the user flow.
- Led a group of four to create the minimum viable product (MVP).
- Implemented User Authentication with Google Sign-in using OAuth, JSON Web Token, and Express-JWT.
- Designed RESTful back-end server using Express and NodeJS.
- Created API routes (GET, POST, PUT, & DELETE) using Express and NodeJS and tested API endpoints using Postman.
- Used the GetStream.io API to integrate an In-Application live chat for users.
- Utilized JIRA to assign and track specific project tasks and maintain collaboration for efficient completion of the project.
- Created the user interface using ReactJS reusable Components, CSS, Material-UI and MD Bootstrap.
- Integrated Gateway Payment System using Braintree Sandbox to generate client tokens and process payments.
- Utilized: MongoDB, ExpressJS, ReactJS, NodeJS, CSS, Heroku, Mongoose, OAuth, JSON Web Token, Lodash, Material-UI, Express-JWT, Cors, Formidable

### GitFit - Fitness Tracking Application

- Designed a Fitness Application using MySQL, NodeJS, ExpressJS, Javascript, and ChartJS which allows users to create their own profile, log their weight for a specific date and update their progress chart.
- Created the project idea and collaborated with a group of four to carry out the completion of the application.
- Researched and implemented data visualization of weight progression with Line Chart using ChartJS.
- Integrated a calorie calculator using Javascript and jQuery.
- Worked on both HTML and API routes using Express, ORM, and NodeJS and tested API endpoints using Postman.
- Refactored chart data using bubble sort (due to the small scale of the web app) to sort logged dates.
- Designed the user interface using HTML/CSS, Javascript, jQuery, and Bootstrap.
- Used an object-relational mapper (ORM) to simplify the interaction with the SQL database.
- Utilized Model View Controller (MVC) pattern to maintain organized code.
- Utilized: MySQL, ExpressJS, ChartJS, NodeJS, Javascript, Heroku, JawsDB, jQuery

### Travelogged - Travel Planning Website

- Designed and developed a travel website using Javascript, jQuery and AJAX, allowing users to simplify their travel planning process. By utilizing multiple API's, the user is able to find flight information, events nearby, popular destinations in that area, and a map to their location.
- Created inputs and submit functions which initiated multiple AJAX calls to Skyscanner, Ticketmaster and Yelp API's in order to output the necessary data to the user.
- Utilized jQuery to shape the JSON data to be easier interpreted by the user.
- Designed the Travelogged user interface using HTML/CSS, jQuery, Javascript and Bootstrap.
- Utilized: HTML/CSS, AJAX, jQuery, Javascript

## WORK EXPERIENCE

### **BD Biosciences**

May 2019- Present

#### *Customer Training Laboratory Specialist-Flow Cytometry*

- Process large volume LRS chambers for PBMC isolation to store for future assays.
- Performs immunophenotyping assays for use in all instrument training courses.
- Culturing, expansion, troubleshooting and stimulation of human cell lines.
- Assists in maintaining a detailed inventory of antibodies and PBMCs stored in freezers.
- Analyzed and interpreted data using FACS Diva and FACS Suite software.
- Maintains a detailed inventory of all instruments within the training center and is responsible for all maintenance and maintenance requests.

### **Veteran's Medical Research Foundation**

May 2017- May 2019

#### *Research Associate - Translational Virology Core - San Diego CFAR*

- Process human blood and clinical specimens from HIV infected donors for use in various assays.
- Performs routine PCR and/or RT-PCR to generate material for use in Sanger sequencing applications.
- Collaborate with Post-Doctoral Fellows to establish and optimize protocols and panels.
- Performs high throughput immunophenotyping to identify T-cell activation by flow cytometry.
- Culturing, expansion, and troubleshooting of human cell lines.
- Analyzed and interpreted data using FACS Diva and FlowJo Software.
- Trains new employees and undergraduates on laboratory procedures such as blood processing and DNA extractions.

### **Biolegend**

Dec 2015- April 2017

#### *Quality Control Associate- Flow Cytometry*

- Tested antibodies through surface, intracellular, and multicolor staining.
- Prepared of mouse tissues to be used for staining and stimulations.
- Prepared media and buffers needed for cell culture.
- Optimized protocols to obtain mouse immune cells for use in cell culture.
- Calibration and use of the Flow Cytometer to test for the presence of specific antibodies.
- Analyzed and interpreted data using FACS Diva and FlowJo Software.