CARLOS JACOB **CATLY**

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EXPERIENCE

Problem Solve Ambassador | **Amazon**   October 2021 - Current
- Saves the warehouse a minimum of $100,000 daily from untangling shipment and packaging mishaps.
- Able to multitask in clearing backlog and solve technical problems for workers in the conveyor line.
- Have trained top-performing problem solvers that deliver similar results.

Freelance Engineer(Frontend) | **Populeaks**   February 2021 - February 2021
- Counter offered a competitive fee against another freelancer in the team.
- Gave daily progress reports and participated in weekly meetings about new features through Google Meet
- Finished a functioning website and launched it in a week.

Freelance Engineer | **South American Startups**   June 2020 - July 2020
- Negotiated for a fair pay rate or a flat fee for my services that were competitive with other freelancers.
- Interacted with clients that had limited English communication skills.
- Developed a functioning proof of concept of a Gift Card system in a week.
- Was requested for work again to integrate Google Maps on another project.

Software Engineer (Fullstack) | **Nisum**   January 2020 - April 2020
- Designed and developed projects from concept to implementation, with scalability in mind.
- Provided product demos to validate project tracking and meet quality expectations.
- Followed an Agile workflow to reach user story milestones.
- Participated in code reviews and pair programming resulting in error-free code.

Warehouse Associate | **Amazon**   July 2017 - July 2019
- Tasked with collecting household items in various aisles and bringing them to shipping stations promptly.
- Consistently exceeded performance levels by +30% units delivered/hour.
- Operated both general-warehouse and elevator-type forklifts while adhering to safety and operational regulations.

Emergency Department Patient Care Unit | **St. Joseph's Medical Center**   May 2017 - Feb 2018
- Restocked medical supplies i.e. blood pressure cuffs and gloves to 50+ rooms on an hourly basis.
- Handled patient transport via gurney or wheelchair to their care rooms.

SKILLS

❏ JavaScript	❏ Spring Boot	❏ AWS	❏ MongoDB	❏ Jenkins	❏ GraphQL
❏ Java	❏ Ruby on Rails	❏ Azure	❏ GraphQL	❏ Redux	❏ Apollo
❏ Kotlin	❏ React	❏ Redux	❏ SQL	❏ Docker	❏ Express

PROJECTS

Populeaks | (React/Hooks, i18next)   populeaks.com
A way to contact every politician of Chile and know which ones respond.
- Built with **React Hooks** which makes a separate state management library unnecessary
- Implemented **Open Graph Meta tags** for popular social media platforms like Facebook and Twitter.
- Utilized an **i18next** framework to automatically change the website's language depending on the user's language.
- Designed to be reactive on any browser and will work on desktops, tablets, and phones.

OLED Blinds | (Android/Kotlin, Jenkins, Docker)   Google Play Store
An Android app that prevents burn-in on devices with an OLED screen
- Contains fragments that walk users through the steps to allow permissions necessary for the app to function.
- Minimized the use of external libraries, making the app size less than 1.8 MB.
- Open sourced and integrated with **Jenkins** to continuously deploy to **Github** and Google Play Store

Wix Google Maps Integration | (GMAPS API, JavaScript)
GMAPS integration that was requested by the client
- Packaged on an I-frame HTML block for universal compatibility with other template maker sites.
- Used **GMAPS**' Distance Matrix API to list out the closest restaurants to a user.
- Includes a pop-up window for each map marker that shows more information about that restaurant.

Wali e-commerce Gift Card System | (MongoDB, Express, React, NodeJS, WiX platform)
A three-part system requested by the client
- Built the customer site using the WiX platform for secure transactions and easy maintenance for the client.
- Constructed a **MERN** stack website that can modify the gift card database on the WiX site using their API.
- Created a headless **REST** API using Express to provide unique gift card codes.

Faces | (Spring Boot, Gitlab API)
An in-house company contribution website utilizing GitLab's API.
- Drew UML diagrams that outlined the connection between services, models, and controllers.
- Combined multiple **Gitlab** API responses to generate a single JSON payload for the frontend to make graphs.
- Wrote JUnit tests to ensure component functionality performed as expected when new code was introduced.

Onboarding App | (Spring Boot, MongoDB, AWS)
An in-house employee onboarding application that generates a workflow for new employees.
- Laid the groundwork for the models used and their integration with **MongoDB** by adhering to OOP principles.
- Implemented a **Builder** design pattern for workflow stages to generate complex interpretations of the same object.
- Applied a placeholder profile picture feature for uploads by utilizing **AWS**' support for pre-signed URLs.

Moefy | (React/Redux, Rails 5, AWS, Docker, PostgreSQL)   moefy.herokuapp.com
A single-page Spotify clone where a user can listen to music and make playlists.
- Designed a **CSS** display grid system of **React** components to scale on any desktop screen size.
- Charted a queue reducer in the Redux store that lets users listen to music continuously and seamlessly.
- Utilized Rails table associations for efficient database queries and AWS for quick asset loading of said queries.

Amazon Forest | (MongoDB, Express, React/Redux, NodeJS)   amazonforest.herokuapp.com
An Amazon-clone, as a single-page site. A user can buy, sell, and post reviews.
- DRY'ed up the project by charting a React switch router that eliminates the need to incorporate a header or footer component in every page.
- Recycled previously queried data in the Redux Store, to reduce server calls and give instantaneous suggestions.
- Incorporated Regex to parse search results and have them persist by concatenating them to the URL address.

DueMe | *(React, Express, GraphQL, Apollo, Websockets, NodeJS, Docker, MongoDB)*   dueme.herokuapp.com
A productivity site where a user can create a team with other users set projects, and manage tasks.
- Constructed backend **GraphQL** tasks, create, and edit mutations that are uploaded to **MongoDB**.
- Built **React** components that utilize life cycle methods to dynamically change the content based on the URL address.
- Utilized **GraphQL/Apollo**'s query and DOM onBlur events to allow a user to click on a text and edit it on the fly.

TwinTales! | *(JavaScript, Tiled)*   twintales.herokuapp.com
A plain' ol JavaScript platformer game where a user controls two characters at the same time.
- Formulated a nested for Loop function that iterates a long array of positional data and outputs a usable x and y grid system that Canvas can use.
- Developed a while Loop that makes use of **Canvas**'s requestAnimationFrame and browser timestamps to continually render stutter-free frames.
- Incorporated **Web Audio Api**'s asynchronous decodeAudioData method to seamlessly loop audio tracks.

EDUCATION
California State University, Sacramento - *BA Chemistry concentration: Biochemistry, Cum Laude, GPA of 3.6, 2012-2016.*
AppAcademy - *#1 ranked web development school in the US with only a 3% admissions rate, 2019.*

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