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TECHNICAL SKILLS

- **Proficient:** JavaScript, Ruby, Ruby on Rails, HTML5/CSS3, Flutter, Typescript, NodeJS, React, Test Driven Development (TDD), Docker, Kubernetes, Python, FastAPI, Flask, GCP, AWS, Airflow, GraphQL
 - **Exposure:** C, C++, Java, Kotlin, Go
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PROJECT WORK

Lab @ Home PH Website | Developer | [Deploy URL](#) 2021

A Ruby on Rails website for Lab @ Home, MVP turned into an actual product.

- Allowed users to book for medical tests to be done on their home.
- Created an accompanying Customer Relationship Management system at the backend for data processing, visualization, and marketing use.
- Connected a micro frontend using ReactJS for the Medtechs of Lab @ Home to view their bookings, update their current bookings, and an all-in-one checklist for their upcoming bookings.

Lab @ Home PH Invoicing System (Internal Tool) | Developer 2021

Feature developed on top of the website that allows business to generate invoices for all transactions in the website.

- Allowed admins to generate the invoice in-house instead of using a third party provider that can't integrate with the current website.
- Allowed phlebotomists to send invoices to the customer on-site.
- Created a system that also allows users to change their booked tests, accompanied with an updated invoice for better tracking.
- Allowed finance to generate complete csv reports for better tracking and filing of accounting books. Prior to this it was manually tracked by the accountants which will take months of work reduced to at most a week.

Lab @ Home US Upload Website | Developer | [Deploy URL](#) 2022

A Ruby on Rails service website for Lab @ Home US for uploading lab request forms.

- Allowed users to book with their lab request form instead of manually picking the test from the catalog of available tests, which allowed for a better and faster booking conversions in the US.
- Developed the backend that obscure the lab request form to not include Personal Identifiable Information available publicly.

Lab @ Home US Website | Developer | [Deploy URL](#) 2022

A Ruby on Rails website for Lab @ Home US.

- Cloned the PH website to deliver US specific products and services.
- Allow full deployment of the website within a week.

Lab @ Home PH Medtech App (Internal Tool) | Developer 2022

A Ruby on Rails website for Lab @ Home, MVP turned into an actual product.

- Created a React web app that allows medtech to see their scheduled bookings, previously was manually tracked by the admin and took dedicated personnel just for the scheduling.
- Allowed medtechs to also see all the necessary medical details of the patient (customer) prior to the booking, previously only available during the appointment time itself via asking the patient.

Lab @ Home US Admin Panel Website (Internal Tool) | Backend Developer 2022

A Ruby on Rails website for Lab @ Home US for uploading lab request forms.

- Allowed admins to generate analytics reports of bookings, making it easier to react to sudden market demand changes (e.g. COVID cases spikes, inventory management for test kits etc.), previously reports took a day of manually processing and tracking made it to only at most an hour worth of work.
- Employed obscurity of Personal Identifiable Information for compliance with HIPAA standards.

Lab @ Home US Internalization/Localization | Backend Developer 2022

Continuous effort to allow wider market reach and accessibility

- Spearheaded the standardization for developing pages prepared for localization.
- Developed scripts that will allow business to seamlessly integrate new translations.

Lab @ Home Engineering Team Standards and Protocols 2022

Continuous effort in developing and providing tools for better Developer experience for all software engineers.

- Developed an onboarding checklist and documentations for all new hires to easily integrate within the team in a week. Had all new hires up and doing tasks within the week of joining.
- Developed a ticketing system for tracking tasks and facilitating hand-over to business.
- Employed git strategies and workflows for better handover of tasks. This includes the protocol for Code Review process and testing features and bug fixes.
- Created scripts for developers and the business side to use for automation of tasks. Tasks include but are not limited to converting internalization strings to .yaml files, generating csv reports for business analytics, generating mock data for testing, deployment scripts for UAT.
- Created exhaustive documentation for all the critical processes and workflows for both engineers and the business side.

edamama Explore Pillar | Mobile App Developer | [Deploy URL](#) 2022

One of the product pillars of edamama. Explore lets mamas find fun activities to do with their kids.

- Developed the mobile version of Explore pillar that allows users to search for class and activities for their children.
- Allowed users to sort and filter by categories, age division, and gender.
- Added pull-to-refresh functionality to update listing of activities, classes, and events.

edamama Campaign Price Preview | Mobile App Developer 2022

App only feature that allows users to easily see upcoming sales within the app.

- Developed the frontend for Campaign Price Preview.
- Allowed customized preview for customized campaign banners.

edamama Order Splitting | Mobile App Developer. 2022

App only feature that allows users to see how their orders will be split into different shipments and track them separately.

- Developed the frontend for Order Splitting.
- Allowed users to easily track all their shipments.

edamama Discount Scheduler Refactoring | Backend Developer 2022

Refactored discount scheduler to allow more discounts to be scheduled. Prior system only allows up to 50 active discount campaigns.

- Refactored the Discount Scheduler to allow more than 50 active discount campaigns.
- Made the Discount Scheduler flexible to accept different types of discount campaigns, previously only flash sale campaigns and flat scheduled discounts are available.
- Employed back end best practices for better readability and developer experience for future developers that will update the code.

edamama Product Wishlist Refactor Engineering Lead	2022
<i>Refactored Product Wishlist module as a proof of concept for the eventual microservice migration of the whole system</i>	
<ul style="list-style-type: none"> • Decoupled wishlist module from the monolith. • Implemented event-driven architecture pattern. 	
edamama Product Listing Refactor Engineering Lead / Architect	2022
<i>Refactored Product Listing to speed up search times and improve UX and visibility of products.</i>	
<ul style="list-style-type: none"> • Implemented event-driven architecture pattern. • Provided initial designs prior implementation. 	
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SPINS, LLC Portal Landing Page Website Full Stack Engineer	2023
<i>A web application that serves as the portal for all of SPINS ecosystem of applications.</i>	
<ul style="list-style-type: none"> • Developed custom React hooks with proper tests for complex logic, allowing reusability and cleaner code. • Created a mechanism for notifications in our Teams channel should a build fail in any point of our CI/CD pipelines. • Implemented responsive design for mobile and tablet users. 	
SPINS, LLC Shared Components Library Full Stack Engineer	2023
<i>Suite of React components library that can be used by all applications across the SPINS ecosystem.</i>	
<ul style="list-style-type: none"> • Designed and developed a mimic functionality to allow internal SPINS users to see what our customers will see on their end without fully exposing any sensitive information. • Created, along with the UI/UX team, a suite of shared components libraries that can be used across all SPINS applications, reducing development time for other teams, and giving a unified look and feel across all applications. • Maintained an Auth0 wrapper library that manages all authorization and authentication logic to provide smooth UX for all our users. 	
SPINS, LLC Portal – Admin Application Management Page Full Stack Engineer	2023
<i>A web application that serves as the management page for all of SPINS' available applications.</i>	
<ul style="list-style-type: none"> • Allowed management of how to display all the applications to the Portal website. • Removed manual work from the developers to hardcode details of each application. • Collaborated with other teams to ensure smooth management of each application, how to display them, and what type of users they should be shown. 	
SPINS, LLC Digital Shelf Analytics (DSA) Website Full Stack Engineer	2023
<i>An analytics application for brands to be able to guide them on their business decisions. Developed with a team of data scientists.</i>	
<ul style="list-style-type: none"> • Developed custom React hooks with proper tests for complex logic, allowing reusability and cleaner code. • Created a mechanism for notifications in our Teams channel should a build fail in any point of our CI/CD pipelines. • Implemented responsive design for mobile and tablet users. 	
SPINS, LLC DSA Reviews Ingestion Full Stack Engineer	2023
<i>An automated process that uses PubSub architecture to let us load and use scraped data by other teams.</i>	
<ul style="list-style-type: none"> • Developed an automated reviews ingestion process that allows us to process and analyze reviews data from Amazon and other platforms. • Collaborated with other data teams to ensure data integrity and reduce redundant workflows. 	
SPINS, LLC Portal – Hey SPINS Portal Microfrontend Migration Full Stack Engineer	2023
<i>An effort to allow multiple teams developing different applications on Hey Spins Platform to be able to push out features faster.</i>	
<ul style="list-style-type: none"> • Allowed seamless simultaneous development of applications within the Hey SPINS Platform. • Enabled product teams to iterate and bring new features to customers faster. 	

SPINS, LLC Legacy Scorecards – Automation | Full Stack Engineer 2024

Automation of the manual process left by the legacy application.

- Developed scripts and pipelines that reduced man hours needed during Period Release by up to 90%.

SPINS, LLC Legacy Scorecards – Automation v2 | Full Stack Engineer 2024

Streamlining different scorecard products into one process

- Developed a pipeline for different scorecard products within SPINS, essentially automating the whole process and reducing man hours needed during Period Release to a single button click.
- Streamlined all scorecard generation processes to reduce operating cost of each process by about 20%.

SPINS, LLC Spins Digest POC | Full Stack Engineer 2024

Proof of Concept for a rule based engine for delivering aggregated analytics from different SPINS Applications.

- Implemented a rule based engine chat service using Websockets.
- Developed and aggregated reusable components from different SPINS applications.

SPINS, LLC PowerBI Report Load Testing | Full Stack Engineer 2024

A test suite for testing different PowerBI report architecture

- Developed a load testing suite to compare the difference in compute needed, load times, and overall capacity that PowerBI could handle for different report architectures.
- Findings from these tests led to cost savings of up to 70% for new reports, since it allowed our Data Science teams to use the proper architecture for new PowerBI reports.

SPINS, LLC Welcome SPINS PowerBI Embedding Admin Management | Full Stack Engineer 2025

Admin page for setting up and automatically embedding a powerbi report to Welcome SPINS website.

- Reduced needed manpower for setting up PowerBI reports in Welcome SPINS website, previously any new PowerBI reports that needed embedding had to be done in 2 days with this it is reduced to just 2 clicks.
- Implemented automated access control to users, which allows PowerBI reports to be available to only those with subscription to them.

SPINS, LLC Welcome SPINS PowerBI Row Level Security | Full Stack Engineer 2025

System for automating Row Level Security for any new PowerBI Reports embedded in Welcome SPINS.

- Reduced the needed reports for each type of user, previously every report had to be created N times for each type of user, with this tool it allows for just one PowerBI Report to cater to all types of user and allowed for a more granular level of control on each report user's data.
- Developed a data pipeline for automating access for each user based on their subscriptions tagged in Salesforce. This also includes data refreshed, which previously had to be done manually.

SPINS, LLC Welcome SPINS Learning Center | Full Stack Engineer 2025

A knowledge center that used Confluence as its Content Management System.

- Leveraged already existing internal infrastructure to surface a knowledge center within a week.
- Setup a proxy server for surfacing file attachments, images, and videos to the public.

DYB (Freelance) - Digital Yearbook | Full Stack Engineer 2023-2024

A Ruby on Rails - React application MVP for providing digital yearbooks in the Philippines

- Developed the proof of concept flip book effect for the digital yearbook.
- Modeled User access and roles for each type of User within the application.

Personal Project – OmegaLUL | [Deploy URL](#)

2023

An exploration project for learning websockets, learning a new e2e testing framework, and also finding free hosting sites. Idea was born from the closure of Omeagle.

- Developed a free for all anonymous chatting platform.
- Can handle 1,000+ concurrent connections on the smallest instance size based on load test results.

Personal Project – ParkingLotOO | [Deploy URL](#)

2024

A coding challenge for one of my technical interviews that turned into an exploration of dockerizing and deploying a Rails application.

- Containerized and deployed a Rails application written from scratch based on a technical interview challenge I had.

Personal Project – VCT Simulation

2024

A practice on scraping and statistical modeling in Python.

- Created a simple tool for predicting possible tournament outcomes of Valorant Championship Tournament. Used Monte Carlo simulation based on recent results of teams and map biases to predict outcome.
- Developed a simple script to scrape all team win rates data, and map biases from reputable Valorant stat tracking sites.

PROFESSIONAL EXPERIENCE

SPINS, LLC | Full Stack Engineer | Remote – Full Time

January 2023 – Present

Technology Stack: GCP, AWS, Concourse, Typescript, Python, Airflow, React, Node, GraphQL, Terraform

- Built Portal landing page and its subsequent modules using React, GraphQL, and NodeJS, allowing users to have a consolidated view of all their applications within SPINS organization.
- Created Digital Shelf Analytics (DSA) mock website for expo, allowing business to see the feasibility of the product. DSA is a product of SPINS that gives insights regarding their customer's products.
- Practiced Test Driven Development (TDD) with a minimum coverage of 95% for all metrics (lines, branches, and functions). This minimizes bugs and boosts confidence in all of our deployments.
- Implemented Continuous Integration and Continuous Deployment; Created quality of life (QOL) scripts that made the process easier for fellow developers.
- Developed shared components library that can be used by all teams across SPINS, reducing development time, and giving a unified feel and look across all the applications.
- Maintained a legacy application written in Python for Data Ingestion, and developed automation for the remaining manual process left by the legacy application reducing human error by up to 80% and man hours needed by up to 90%.
- Automated PowerBI report workflows and tasks that led to reduction of man hours needed by up to 90% and cost savings of up to ~60%.

edamama PH | Full Stack Mobile App Engineer | Remote – Full Time

November 2021 – December 2022

Technology Stack: AWS, Node.js with Typescript, Flutter, Kafka

- Learned to code and develop mobile apps in Flutter within a week.
- Fixed 5-10 mid severity bugs within the first 2 weeks of joining the mobile app team.
- Developed a product pillar within the first month of joining the company.
- Led Shop-Track team, responsible for tracking user activities within the website and the app, subscribe and save feature, explore, and gift registry.
- Designed the initial architecture for Product Listing Refactor, aiming to speed up product search and implement event-driven architecture for microservice migration.

Lab @ Home PH | Software Engineer | Remote – Part Time

June 2021 – January 2023

Technology Stack: Ruby on Rails, React, Heroku, Github

- Designed and built a primary website with Ruby on Rails from scratch.
- As a pioneer Software Engineer for the company, spearheaded best practices standardization with the Engineering Team.
- Developed the booking interface and admin interface for the primary website using StimulusJS + Ruby on Rails.
- Enabled automation of business processes by creating internal websites using Rails + React, manual work reduced by up to 50%.

EDUCATION

Full Stack Web Development, *Anion School*

Graduation 2021

B.S. Mechanical Engineering, *University of the Philippines Diliman*

Graduation 2017