

# KRISHIELD KYLE SANTOYO

## Java Developer – Web Developer

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## SKILLS

- Capable of developing Webservices (REST API) using Java, Spring Boot, JPA, Maven.
  - Has a good knowledge in some development technologies like NextJS, ReactJs, ExpressJS, Typescript, Redux, JavaScript (Node JS), CSS, Tailwind CSS and HTML.
  - Has a good understanding in some database technology like MySQL, OracleSql, MongoDB and Redis for temporary storage.
  - Has a good knowledge on the Oracle Utilities Application Framework (Java).
  - Has a good knowledge in Oracle Revenue Management and Billing (ORMB) in Financial Services line of business
  - Has a good knowledge in Object Oriented Programming
  - Capable of developing reports using Jasper Report.
  - Capable of using versioning tools like Github, bitbucket or SVN.
  - Has a good exposure on a development methodology like Agile Scrum.
  - Has a good skill in designing a database (ERD).
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## EDUCATION

### Bachelor of Science in Information Technology

School Year: 2015 – 2019

Bulacan State University

### Bachelor in Industrial Technology

School Year: 2013 – 2015

Bulacan State University

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## WORK EXPERIENCES

### Senior Java Developer – Global Brainforce (Smartvisit)

April 2024 – Feb 2026

- **API Integration and Creation**
  - Add/Modify REST API using Spring MVC and Spring Security
  - Integrate third party travel booking REST API like Ventrata, Rezdy etc. for creating/canceling travel booking
  - Reshaped third party API responses into Smartvisit's in house API response to enable unified approach across multiple REST API sources.
  - Documented new APIs and business logics
  - Github for code versioning

- **Webshop**

A website developed for customers and admin

**Main Stack Used**

- Frontend - NextJS, Typescript, Tailwind CSS
- Backend - Java, Spring Boot, Spring MVC, REST API, Spring Security, Oracle SQL, Redis
- Versioning Tool – Github, Fogbugs
- Deployment - Jenkins, Oracle Cloud

- **Customer Side**

This is used by the customers to buy tickets to a specific attraction and initiate payment

**Contributions**

- Created the functionality where the UI will show dynamic set of fields base on what attraction the customer is selected. The fields type will be based on API response of the booking API where the attraction belongs to, it could be TextField, TextAreaField, SingleSelectField, Numeric, Dropdown, Time and many more. A validation per field is also established using **react-hook-form and zod**
- Created the functionality to create a Cart object and save it to **Redis** using **Spring Boot** and **REST API** and save the cart ID in the browser's **localStorage**. Also implemented **Zustand** to handle global state management of the cart, this is to make sure that the Cart object will be available to all parts of the website.
- Created a page that will collect customer's booking and billing information like name, email, contact number etc. then validated it using **react-hook-form and zod**
- Created the next page where the customer should initiate a payment via an integrated **Stripe Payment API** gateway. Used the Stripe's **ExpressCheckoutElement** to enable Google Pay and Apple Pay if supported and **PaymentElement** to enable the manual inputting of card details.
- Created a webhook API that will be called by Stripe once a payment process is done. This will now then initiate the creation of Order in the backend and save it to the database using **Spring Boot**, **Spring Data JPA** and **Oracle SQL**. This will trigger a **Server-Side-Event (SSE)** in the given CartID and will notify the frontend.
- Created a **Server-Side-Event (SSE)** to which the frontend will subscribe after initiating a payment, the signal will be sent to frontend once the processing of Order is completed.
- Created a Success page so the customer will be notified that their transaction is completed.
- Did some product investigation on slow running API
- Created technical design flow for documentation purposes.
- Conducted demo and walkthrough of the application to executives

- **Admin Side**

This is used by Smartvisit's Admin to configure products, see list of orders etc.

**Contributions**

- Created a **REST API** that will get all the Shops (with filters and pagination), create new Shop, update existing shop using **Sprint Boot**, **Spring MVC**, **Spring Data JPA** etc. Also created **REST API** with the same design for other entities like Discounts, Products and many others.
- Created a **REST API** that will return the Shops' performance (active shops, inactive shops, top performing shop, lowest performing shop, shop with the highest growth rate and shop with lowest growth rate) in the given date filters using **Spring Boot**, **Spring MVC**, **Spring Data JPA** and **Oracle SQL**

- Created a **REST API** that will return all the Shops' specific statistics (growth rate, number of orders etc.) using **Spring Boot, Spring Data JPA** and **Oracle SQL**.
- Created a UI page that will show paginated list all the Shops (with filters), update specific Shop, create new Shop and set Shop to Inactive. Used **react-hook-form** for form validation.  
Also created pages for other entities like Discounts, Products and many others.
- Created a UI that will enable the users to configure the appropriate processing fee for every transaction made in the webshop per shop.
- Created a UI page that will show shop the metrics of the Shops, this shows the number of the Shops, which Shop has the most sale and which shop has the lowest sale and the Shop's statistics which will show the number of Orders in the Shop. These records can also be filtered by date using the given filter fields.
- Created a UI page that will show paginated list of Orders (with filters), navigate to specific Order and update Order's status if needed. It also has a functionality to export the table into csv file (filters are also applied). Used **react-hook-form** for form validation.
- Created a UI page that will show paginated list of Orders (with filters), navigate to specific Order, update Order and export Orders from the table (filters included).
- Created technical design flow for documentation purposes.
- Conducted demo and walkthrough of the application to executives

- **CSC**

A website developed for Smartvisit's CSRs.

**Main Stack Used**

- Frontend - NextJS, Typescript, Tailwind CSS
- Backend - Java, Spring Boot, Spring MVC, REST API, Spring Security, Oracle SQL, Redis
- Versioning Tool – Github, Fogbugs
- Deployment - Jenkins, Oracle Cloud

**Contributions**

- Created a **REST API** that will return the list of Customers (with filters and pagination), specific Customer using **Spring Boot, Spring MVC, Spring Data JPA** and **Oracle SQL**.  
Also created **REST API** with the same design for other entities like Notification, Booking and many others.
- Created a page that will show the list of paginated Customers (with filters) where the user can open specific Customer and view their details, list of bookings and tickets and with a functionality to resend selected ticket(s) to the customer via email.
- Integrated Google Maps for Smartvisit's configuration of in-app Notifications' latitude, longitude and radius etc.
- Also used the integrated Google Maps for Smartvisit's product called Jrnyz, this is to pin the locations of the all stops that the Customer can take in a single Attraction.
- Created a UI page that will show the list of configured Notifications, update specific Notification and delete Notification.
- Integrated DeepL API to have a functionality to auto translate sentences into multiple languages. I also created a UI for this.
- Created technical design flow for documentation purposes.
- Conducted demo and walkthrough of the application to executives

**Java Developer – Collabera Digital (SM Retail Inc.)**

September 2023 – March 2024

- **ETAP**

A Spring Boot application that will expose API to ETAP machine for bill payments and top-up services. The machines are placed in a convenience store in the Philippines called Alfamart.

**Main Stack Used**

- Backend - Java, Spring Boot, Spring MVC, REST API, Spring Security, MSSQL
- Versioning Tool – Github and SVN
- Deployment – SM Retail In-house server

**Contributions**

- Led a 2-person team for developing REST API to integrate SM Retail Inc's existing REST API for bill's payment and top-up services (Gcash, Paymaya, Maynilad, Smart, Manila Water etc) using Spring Boot, Spring MVC, Spring Security, Spring Data JPA and Maven.
- Occasionally do client meeting to align the requirements
- Automatically documented the REST APIs using Swagger.
- Implemented the use of JWT for authentication
- Developed and updated new and existing reports using Jasper Report
- Modified SM Retail's Inc existing system UI that is in JSP and Struts 2
- Created technical design flow for documentation purposes.
- Conducted demo and walkthrough of the application to executives and clients

## **Senior Consultant - Oracle PH Corporation**

July 2019 – September 2023

**Main Stack Used**

- Backend – Java, OUAf, Spring Boot, Oracle SQL
- Versioning Tool – Bitbucket, SVN, SourceTree, Jira
- Deployment – Jenkins

- **Financial and Health Care Services**

- As an Oracle Revenue Management and Billing (ORMB) Consultant our job is to modify ORMB to match the client's business rules and meet their expectations.
- Financial Services is the main product of our system wherein we provide Health Care Services under ASO structure.
- We were using OUAf, Java, Oracle SQL and JavaScript as the main technologies.
- Created Unit Test Plans so that the Testers from the client side or other Developers in the team will know how to test my deliverables.
- I am also a scrum team developer lead wherein I am the one who took tasks from our onshore lead and distribute them to our scrum team members, do some knowledge transfers, create technical design per User story and do code reviews.
- I assist Clients/Testers whenever they got issue during testing or if there are some production issues.
- We are following the Agile Scrum Methodology for a fast-pacing development and an accurate track of our deliverables.
- Participating in Spring Planning, Stand Up and other ceremonies
- Conducted Boot Camp for our new hires to familiarized them on ORMB and OUAf.

## **Intern – Palm Solutions Inc**

August 2018 – November 2018

- Acted as a developer for our operations team.
- Developing admin dashboards (web site) using NodeJs and ReactJs as the main tech stack.