

# JYM BOCALA

## SOFTWARE DEVELOPER

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## PROFILE

A teacher turned Software Developer with a deep enthusiasm for building SaaS projects. Eager and dedicated to continuously upskill technical and non-technical skills.

## WORK EXPERIENCE

- **Junior Software Developer (Contract)**  
**2023 Aug - Sep**  
OracleCMS
  - Developed robust and efficient software solutions utilizing Javascript, Microsoft SQL databases, and C#.
  - Liaise with clients to gather project specifications, guaranteeing software solutions met their expectations and managing quoting and billing for client requirements.
  - Effectively oversee numerous tasks and competing demands within a fast-paced, dynamic tech environment.
- **Relief Secondary School Teacher**  
**2022 Feb - Jul**  
Heritage College
  - Developed and improved assessments, performance standards, and curriculum documents for subject areas.
  - Integrated feedback, support, assessment, and program evaluation.
  - Taught knowledge and skills to different age groups and backgrounds in all subject areas.
- **English Language Teacher (Remote)**  
**2014 - 2016**  
DadaABC, Palfish
  - Developed and built learning materials for the short and mid-term course roadmap.
  - Taught knowledge and skills to students with non-English speaking backgrounds.
  - Modified approach to suit different individual needs.

## MY SKILLS

- Python
  - MySQL
  - PostgreSQL
  - React
  - CS Fundamentals
  - Node.js
  - Next.js
  - Flask
  - Javascript
  - Git / GitHub
  - Stripe
  - Clerk (Auth)
  - HTML
  - CSS / Tailwind
  - Object-Oriented Programming
- Excellent communication – the ability to explain complex concepts to different audiences both in writing and verbally.
  - Strong time management skills and ability to facilitate multiple tasks.
  - Solid experience working both in a team and independently.
  - Strong enthusiasm and willingness to learn.

## PROJECT EXPERIENCE

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### **Eat The Frog API** - Python, PostgreSQL, Flask, API routing

'Eat The Frog' is a key component of my final project for my Diploma of IT course. Leveraging Flask (a Python framework), I designed and implemented a robust database using PostgreSQL. The project features extensive API routing. Inspired by Brian Tracy's 'Eat That Frog!' philosophy, the features of the app distinguishes itself from conventional to-do list apps and guides users to conquer their daily "frogs" with a purposeful and effective approach.

### **Key Learning Areas**

1. Implementing secure user authentication and authorization using Bcrypt for hashing passwords and JWT Manager for tokenization provided valuable insights into protecting user data, managing password security, and controlling access to application features.
2. Creating a database with PostgreSQL enhanced my skills in schema design, data modeling, and SQL queries.
3. Developing API routes in Flask improved my understanding of RESTful API design, HTTP request handling, and effective communication between the frontend and backend.

### **Noted** - Typescript, React, Bootstrap

Noted is a user-friendly note-taking app developed using React, Bootstrap, and TypeScript. With features like seamless categorization, versatile Markdown support, and efficient note retrieval, Noted streamlines note capturing and organization.

**See my portfolio** - [jymbocala.com](https://jymbocala.com)

## EDUCATION AND CERTIFICATES

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- **Diploma of Information Technology - Web Dev Acc** - Academy of Information Technology  
2023 September - Expected 2024 February
- **Advanced React** - Scrimba  
2022 - 2023
- **Frontend Web Dev Nanodegree** - Udacity  
2022
- **Bachelor of Arts / Bachelor of Education (Business Studies & Commerce)** - Avondale University  
2015 - 2019