



# PEARL CALAPE

## ASSOCIATE SOFTWARE ENGINEER

### SUMMARY

Dedicated computer engineering graduate with a proven track record in programming and software application development. My proficiency in programming languages enables me to tackle complex projects with ease. I am excited to leverage my expertise as an Associate Software Engineer to collaborate with a dynamic team and contribute to the development of cutting-edge software solutions.

### CONTACT



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<https://pearl-calape.onrender.com>

### EDUCATION

#### Bachelor of Science in Computer Engineering

Bohol Island State University Main Campus  
08/2020 - 05/2024

#### TVL-ICT (NCII)

Bohol Island State University Main Campus  
2017-2019

### SKILLS

#### Front-end technology

HTML, CSS, Javascript, React JS, and  
Tailwind CSS

#### Development Language

C, C++, Javascript, Express JS, Node JS,  
Golang, Git

#### Database

MongoDB, MySQL, Spanner

#### Soft Skills

Leadership, Work Ethic, Teamwork

### EXPERIENCE

#### Database Administrator Intern

Alphaus Inc. Japan  
01/2024 - 03/2024

- Developed, implemented, and deployed a data ingestion system that efficiently managed a continuous stream of input data.
- Analyzed data to identify the top three most costly services, pinpoint the historically least expensive service, and calculated the total message count processed.
- Improved database performance by 30% through query optimization and efficient data retrieval.

## RELEVANT COURSEWORK

- Programming Logic and Design
- Data Structures and Algorithms
- Operating Systems
- Database Systems
- Software Engineering and Design
- Object-Oriented Programming
- Computer Networks and Security
- Computer Architecture and Organization
- Artificial Intelligence

## AFFILIATIONS

Google Developer Student Clubs  
Bohol Island State University - Main Campus  
Member

Institute of Computer Engineers of the Philippines  
Bohol Island State University - Main Campus  
Member

## PERSONAL INTEREST

Chess : participation in chess tournaments and reaching national level showcase my commitment, analytical skills, and the drive to achieve excellence, which are valuable attributes in various professional settings.

## PROJECTS

### Full-Stack Web Developer VIRGIE: Avon Catalog Website

- Developed a robust full-stack web application using modern technologies, including React.js for the front-end, Node.js and Express.js for the back-end, and a non relational database (MongoDB) for data management.
- Ensured the application's responsiveness and accessibility, catering to a diverse user base across different devices and screen sizes.
- Tackled complex challenges during the development process, such as optimizing database queries, implementing efficient search algorithms, and integrating APIs.

### Backend Web Developer E-Commerce Website

- Developed the backend system for a full-fledged e-commerce website, enabling users to browse, like, add products to the cart, and place orders.
- Implemented a robust admin panel for managing products, categories, and user orders, ensuring efficient management and control over the e-commerce platform.
- Effectively managed databases using MongoDB ensuring data integrity and scalability.

## CERTIFICATES

Back End Development and APIs  
freeCodeCamp  
2024

Relational Database  
freeCodeCamp  
2024

Legacy Javascript Algorithms and Data Structures  
freeCodeCamp  
2024

Responsive Web Design  
freeCodeCamp  
(2024