

# Celmar John S. Ortiz

## Full-Stack Software Engineer | Backend Specialist

Full-stack software Engineer with 3+ years of experience in enterprise POS and web application development. Expert in Spring Boot, React, TypeScript, Kafka, and MySQL, designing secure, scalable, and high-performing solutions for thousands of users per day. Experienced in leading teams, deploying real-time systems, and streamlining processes to result in quantifiable efficiency improvements.



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## WORK EXPERIENCE

### Associate Technical Specialist III Alliance Software Inc.

12/2022 - Present

Cebu City, Philippines

Alliance Software, Inc., founded in 2000, is a leading IT services company and one of the Philippines' largest independent software outsourcing firms.

#### Achievements/Tasks

- POS (Mobile) Lead Developer – Led a 4-member team integrating mobile POS systems, improving data sync reliability by 20% and reducing downtime incidents.
- Web POS & Terminal Developer – Designed and implemented core POS web and terminal interfaces for headquarters operations, optimizing usability and reducing transaction handling time by 30%.
- Integrated Kafka – Reduced email processing delays from minutes to seconds, enabling faster customer notifications.
- Web Socket Integration – Achieved sub-second real-time data updates, improving user experience and transaction accuracy.
- Collaborated with cross-functional teams to ensure system scalability, maintainability, and optimal performance for thousands of daily transactions.
- Enhanced backend security by implementing OWASP measures, reducing vulnerabilities by over 90% in audits.

## EDUCATION

### TERTIARY EDUCATION

Bohol Island State University

06/2015 - 08/2022

Tagbilaran City, Bohol

#### Thesis

- FACE AND ID-CARD  
RECOGNITION BASE  
GATE/DOOR

### SECONDARY EDUCATION

Bohol Island State University

06/2011 - 04/2015

Tagbilaran City, Bohol

## SKILLS

Perseverance

Problem-solving

Critical Thinking

Leadership

Communication

Adaptability

## PERSONAL PROJECTS

### TOTOLAN ELEMENTARY SCHOOL LEARNING MANAGEMENT SYSTEM (06/2022 - 08/2022)

- A basic Learning Management System to be used by a primary school affiliated with Bohol Island State University.

### TOTOLAN ELEMENTARY SCHOOL LEARNING MANAGEMENT SYSTEM (Web) (11/2022 - Present)

- Designed and developed a basic Learning Management System tailored for a primary school affiliated with Bohol Island State University.
- Implemented user-friendly features to support students, teachers, and administrators in managing educational content and activities.

### Hello Bohol (01/2022 - 10/2022)

- Developed a website highlighting the wonders of Bohol to assist local and foreign tourists in planning memorable vacations.

## ACHIEVEMENTS & PROMOTIONS

Associate Technical Specialist I → III within 2 years, reflecting consistent high performance.

Led successful delivery of mobile POS integration used in enterprise retail operations.

## TECHNICAL SKILLS/PROGRAMMING LANGUAGES

SpringBoot

Full Professional Proficiency

React

Professional Working Proficiency

Kafka

Professional Working Proficiency

Websocket

Professional Working Proficiency

Python

Professional Working Proficiency

MYSQL Database

Full Professional Proficiency

Typescript

Full Professional Proficiency

Java

Full Professional Proficiency