

## ESTRELLA, ZACH GABRIEL SALONGA

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**Portfolio:** <https://zachgse.github.io>



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### ABOUT ME

• Equipped with proficiency in programming languages, development tools, and methodologies. I have demonstrated strong problem-solving skills and a solid understanding of software development principles through academic and personal projects. Eager to learn and contribute, I am well-prepared to embark on a career in the dynamic field of software development.

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### EDUCATION

#### COLLEGE:

**De La Salle - College of Saint Benilde**

Bachelor of Science in Information Systems / 2018 – 2022

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### CERTIFICATIONS

AWS Knowledge: Cloud Essentials (Amazon Web Services)	(Dec, 2023)
Java Basic Certificate (Hacker Rank)	(Dec, 2023)
Python Essentials 1 (Cisco Networking Academy)	(Dec, 2023)
Python Essentials 2 (Cisco Networking Academy)	(Dec, 2023)
Foundational C# with Microsoft (Microsoft)	(Nov, 2023)

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### TECHNICAL SKILLS

**Web Development:** HTML, CSS (Bootstrap), Simple JavaScript, PHP (Laravel)

**Operating Systems:** Windows

**Database Management Systems:** SQL (MySQL and PostgreSQL)

**Programming Languages:** Java, C#, Python

**Version Control:** GitHub, Bitbucket

**Project Management and Collaboration:** Jira

**Microsoft Office Software:** Microsoft Word, Microsoft Excel, Microsoft PowerPoint

**Design and Editing:** Simple Adobe Photoshop & Figma

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## **WORK RELATED EXPERIENCE**

### **• PHP Developer - Pilipinas Micro Matrix Inc. (August 2022 - Present)**

- A PHP Developer is responsible for creating and implementing an array of Web-based products using PHP, MySQL, Ajax, and JavaScript. You develop back-end components, connect the application with other web services, and assist front-end developers by ensuring their work integrates with the application. Also, you might be asked to develop and integrate plug-ins for popular frameworks.
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## **RESEARCH PAPERS AND PROJECTS**

### **• Simple RPG Game (2023)**

- It is a simple text-based RPG game built in C#. It also utilizes the use of Object-Oriented Programming concepts such as inheritance, loops, and other core concepts in OOP.

### **• Student Management System (2023)**

- The Python-based student management system enables users to perform operations such as creating, viewing, updating, and deleting student records in the database.

### **• Sales and Inventory Management System (2023)**

- This Java-based Sales & Inventory management system enables users to input their inventory stocks, track the total amount after each transaction, and record monthly sales to monitor the overall net profit/loss.

### **• Tails and Wags (2023)**

- Tails and Wags is a veterinary appointment booking system that connects the users to the clinics. It has basic CRUD functionalities wherein the user (patients) can book their appointment with clinics registered inside the system. Paymonggo API has been integrated to the system as a secure payment gateway for all the transactions.

### **• Filospace (2023)**

- Filospace is a simple photo-stock management system that allows users to download their desired images which are provided and maintained by the system administrator with simple CRUD functionalities within the administrator side of the system.

- **Mentalit-E (2022)**

- Mentalit-E is our final capstone project which is an Online Mental Health platform for patients and clinics (admin & employees) which allows users to schedule a consultation with their preferred clinic which exists inside the system. It also has other features such as community forum between the users, rating and booking system, integrated chatbot, ticketing system for customer support and inquiries, and maintenance of the system on the administrator side.

- **Mentalit-E: The Need for an Online Mental Health Services Platform in the Philippines (2021)**

- The study discusses the need for an Online Mental Health Service Platform in the Philippines wherein the researchers have found out that there is a lack of online mental health platforms in the country. It led the researchers to propose a system that will connect the patients and clinics together.