

# SEAN RUSSEL E. REMONTE

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Portfolio: [archange-09.github.io/my-portfolio/](https://archange-09.github.io/my-portfolio/) | Github: [github.com/Archange-09](https://github.com/Archange-09)

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## Professional Summary

Entry-level Java Developer and Cum Laude Computer Science graduate with hands-on experience in backend development, data management, and algorithmic solutions. Skilled in designing applications, implementing validation and exception handling, and applying clean code principles for maintainable systems. Experienced in SQL-based data handling, REST API development, and AI-integrated applications. Seeking opportunities in Software Engineering to contribute robust, scalable solutions while continuously growing in enterprise-level development.

## Technical Skills

**Languages & Tools:** Java (Core, OOP), Python, SQL (MySQL), PHP, R, HTML/CSS; Git/GitHub; Postman

**Frameworks & Libraries:** Spring Boot, JDBC, Hibernate/JPA, FastAPI, Matplotlib, Tableau

**Databases:** Relational design, normalization, schema design, efficient SQL queries

**Data & Analytics:** Excel / Google Sheets, BigQuery, Machine Learning (basic), Random Forest

## Projects

Contact Form REST API with Regex Validation – Java, Spring Boot, MySQL

- Developed backend REST API to securely process and persist user-submitted data.
- Applied Regex-based logic to flag spam inputs and store them in a Database

Lightweight Textile Flaw Detection System (Thesis) – Python, FastAPI, YOLOv8s

- Built a backend system to support AI model performance with high speed and accuracy.
- Collaborated in team settings to test system stability and improve reliability.
- Applied research-driven methods to optimize AI inference and data processing.

Basic Veterinary Appointment & Billing System – Python, SQL

- Developed backend logic for appointment scheduling, records management, and billing workflows.
- Designed normalized schemas ensuring consistent data across tables.

Financial Tracker – Python, Random Forest

- Analyzed historical financial data to identify trends and spending patterns.
- Validated system outputs to ensure reliable insights using Random Forest algorithm.

Java Console Applications – Java (Core/OOP)

- Built console-based programs applying OOP, exception handling, input validation, and modular design.

Excuse Form Generator – Java

- Automated form generation using structured programming and input/output handling.

Parse Tree Implementation – JavaScript / Algorithm Logic

- Contributed to logical design and traversal of parse trees; ensured correctness and efficiency.

Arthub: Online Gallery – PHP, SQL

- Assisted in backend development and database management for online gallery operations.

Google Data Analytics Capstone – R, SQL, Excel / Google Sheets

- Cleaned, analyzed, and visualized datasets (e.g., EV population) to generate actionable insights.

## Education

Bachelor of Science in Computer Science — Tarlac State University | July 2025

- Cum Laude (1.50 GWA/GPA equivalence, where 1.0 is highest grade),
- Consistent Dean's Lister (1st–4th Year)

Senior High School – STEM — St. Rose Catholic School | April 2021

- Graduated with Honors

## Work Experience

Civil Service Commission – Tarlac City | OJT | July 2024

- Processed and maintained high-volume documents accurately.
- Assisted employees with data entry and administrative tasks.

## Certifications & Learning

- Google Data Analytics Certificate | Introduction to Networks (CCNA) | Cyber Threat Management (Cisco) | Various Tech webinars