

# SEAN RUSSEL E. REMONTE

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Portfolio: archange-09.github.io/my-portfolio/ | Github: github.com/Archange-09

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## Professional Summary

### Aspiring Java Developer | Cum Laude Computer Science Graduate

Research-oriented and data-driven with a strong foundation in **Java, Object-Oriented Programming (OOP)**, and **software development best practices**. Experienced in implementing software features under guidance, following requirements, and clean, secure coding practices. Familiar with the **Software Development Life Cycle (SDLC)**, including development, testing, debugging, and maintenance. A collaborative team player who actively contributes ideas, communicates effectively with clients and teammates, and is committed to **continuous learning** and professional growth.

## Technical Skills

- Languages: Java (Core/OOP), Python, SQL (MySQL), PHP, R, HTML/CSS
- Frameworks & Libraries: Spring Boot, FastAPI, JDBC, Hibernate/JPA, Matplotlib, YOLOv8
- Tools & Platforms: Git, GitHub, BigQuery, Tableau, Postman, Excel/Google Sheets

## Projects

### RESTful Contact Form API with Regex Spam Detection | 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 results in the database.
- Conducted thorough testing using Postman for API validation and JUnit for automated unit tests.

### Java Console Applications – Java (Core/OOP)

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

### Excuse Form Generator – Java, Swing

- 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.

### Lightweight Computer Vision Based Textile Flaw Detection System Using YOLOv8s Algorithm (Thesis) – Python, FastAPI, YOLOv8s

- Optimized system/model reliability and inference speed for a real-time detection system; collaborated in an **Agile (RAD) environment** to ensure the solution met technical and quality assurance standards.

### 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, Matplotlib, Random Forest

- Developed a data-driven expense categorization system using the Random Forest algorithm in an **Agile Scrum Environment** to analyze historical trends and predict future monthly spending patterns.

### 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

- Accurately processed high-volume documents while assisting employees with data management, technical, and administrative tasks.

## Certifications & Learning

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