

JOHANNE ELLISE R. PAG-ONG

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SKILLS

Programming Languages: Java, Python, C

Web Technologies: HTML, CSS

Backend: Spring Boot, JPA, JDBC

Databases: MySQL / MariaDB, PostgreSQL

Testing: Selenium, Cucumber, Postman

Tools: Jira, Git Version Control, VS Code, JetBrains IDE

PROJECTS

Template Calendar - A Practical Approach to Scheduling | [GitHub](#)

April 2025 - Present

Ongoing Project

Tools & APIs: Java, Spring Boot, PostgreSQL, HTML, JavaScript

- Designed a RESTful API with **30+ endpoints** for a web-based calendar system supporting reusable event templates
- Applied OOP principles to model and manage **6 core domain entities**
- Developing a lightweight HTML/CSS/JavaScript interface to consume backend REST endpoints
- Created Postman collection with **30+ functional API test cases** to support validation and future automation

Cucumber Test Automation | [GitHub](#)

September 2025

Personal Project

Tools & APIs: Java, Selenium, Cucumber, JUnit 4, GitHub Actions

- Built a UI regression suite using Selenium for Java
- Designed Gherkin-based Cucumber test cases following Behavior-Driven Development principles
- Configured GitHub Actions for scheduled CI regression runs
- Automated **39 UI and User Acceptance tests**, tracking regressions across **2 application versions**

Obstacle Detection for the Blind | [System](#) | [Mobile](#)

April 2025

Thesis

Tools & APIs: Python, PyTorch, Arduino, Kotlin

- Integrated a custom object detection model into a wearable smart vest
- Curated and annotated **8,000 images**, expanding to **13,000 samples** via data augmentation
- Coordinated model training and evaluation, achieving **73% accuracy** and **56% mAP**
- Implemented haptic and audio feedback logic and companion mobile app

EXPERIENCE

Software Quality Assurance Intern

May 2024 - Aug 2024

Asurion Hong Kong Ltd. - ROHQ

Bonifacio Global City, Taguig

- Executed and automated warranty-based test cases from Jira using Selenium and Cucumber in a CI/CD environment
- Refactored and automated **140+ end-to-end test cases** covering acceptance, functional, and SQL validation
- Maintained regression coverage across **10 clients**, updating **45-100%** of tests per client
- Triaged regression failures during QA outages by isolating environment issues and validating SQL test data

EDUCATION

Bachelor of Science in Computer Engineering

June 2025

De La Salle University - Manila

Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Database Management, Software Design, Intelligent Systems, Computer Vision and Machine Learning

CERTIFICATIONS

EF SET English Certificate (C2 Proficient)

July 2025

EF Education First | [EF-SET](#)