

# JOHANNE ELLISE R. PAG-ONG

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## SKILLS

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**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

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

April 2025 - Present

Ongoing Project

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

- Designed REST APIs with Spring Boot and JPA to manage recurring calendar templates and relational data
- Applied OOP patterns and RESTful design for reusable scheduling and template logic
- Developing a lightweight HTML/CSS/JavaScript interface to consume backend REST endpoints
- Created Postman collections for functional API testing and future automation workflows

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 tests, tracking regressions across application updates

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 for training, 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

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Software Quality Assurance Intern

May 2024 - Aug 2024

Asurion Hong Kong Ltd. - ROHQ

Bonifacio Global City, Taguig

- Executed and automated warranty claim 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 database validation
- Engineered reusable SQL test data by aligning asset, warranty, and coverage states with production workflows
- Bulk-enrolled stabilized test data to support long-term regression testing in CI/CD pipelines

## EDUCATION

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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

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EF SET English Certificate (C2 Proficient)

July 2025

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