

# JOHANNE ELLISE R. PAG-ONG

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## TECHNICAL SKILLS

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

**Front-End Development:** HTML, CSS, JavaScript

**Databases:** MySQL, JDBC, PostgreSQL

**Testing:** Selenium, Cucumber/Gherkin, JUnit

**Tools:** Jira, Git Version Control, GitHub Actions

## PROJECTS

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**Software QA Collection** | [GitHub](#)

August 2025 - Present

**Personal Project**

- Developing a collection of repositories of automated QA test suites across multiple frameworks and dummy platforms
- Built CI/CD-integrated infrastructure for execution, reporting, and on-completion screenshots.
- Implemented UI test automation for SauceDemo using Selenium, Cucumber, JUnit 4, and GitHub Actions.
- Currently expanding to UI + API testing of the Contact List App using Robot Framework in Python.

**Template Calendar** | [GitHub](#)

April 2025 - Present

**Personal Project**

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

- Long-term personal project for continuous learning in full-stack development.
- Designed a flexible calendar that replaces rigid recurring events with reusable drag-and-drop task templates, ensuring frictionless schedule management.
- Built backend REST API with Spring Boot, Hibernate, and PostgreSQL to manage template storage and scheduling logic.
- Developed a modular ES6-based frontend for dynamic rendering of templates and seamless task reassignment.

**Obstacle Detection Vest for the Visually Impaired** | [GitHub](#)

April 2025

**Bachelor's Thesis**

**Tools & APIs:** Python, Kotlin, PyTorch, TensorFlow, Arduino

- Designed a smart vest equipped with microcontrollers, haptic motors, and an AI stereo camera
- Led the development of a machine learning model, achieving an accuracy of 73% and mAP% of 56 on a limited dataset
- Developed a mobile application to communicate with the vest and provide auditory feedback
- Optimized bluetooth communication between the vest and application, reaching an input-to-feedback time under 500 ms.

## PROFESSIONAL EXPERIENCE

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**Software Quality Assurance Intern**

May 2024 - Aug 2024

**Asurion Hong Kong Ltd. - ROHQ**

Bonifacio Global City, Taguig

- Scripted and maintained tests using Selenium for Java, integrated into the CI/CD pipeline with GitHub Actions.
- Updated and automated 140+ test cases to ensure reliability and coverage during regression testing.
- Collaborated in an agile QA team with weekly scrums, working closely with developers and DevOps.
- Recognized in performance evaluation for independence, resourcefulness, technical skills, and quick learning.

## EDUCATION & CERTIFICATIONS

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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

**EF SET English Certificate (C2 Proficient)**

July 2025

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

**AWS Certified Cloud Practitioner**  
Amazon Web Services

In Progress