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 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

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