John Paul A. Panonce

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Summary

A dynamic & creative engineer/programmer with experience in hardware, software development, process automation, software design/testing and data engineering and visualization. I am eager to offer my analytical, data analysis & software development skills to help your organization achieve its goals in a timely and efficient manner.

Work Experience

Data Engineer

Kuehne-Nagel Shared Services
September 2023 – Current (8 months)

- Create, design and maintain business intelligence dashboards using _Tableau_ to provide supply chain visibility, KPI analysis & Data Quality Tracking for ASP (Asia-Pacific) and Global Control Tower Accounts
- Create, maintain and improve existing ETL data pipelines and tools developed with _Python_, _SQLite/Oracle_ Database
- Create test cases & code test scripts to test ETL Python scripts using _PyTest_ to identify issues and ensure data pipeline alignment with business requirements
- Manage _Oracle_ database and modify SQL of tables, views used as data source for Data Visualizations and reports

Robotics & Process Automation (RPA) Developer

Kuehne-Nagel Shared Services
October 2022 – August 2023 (10 months)

- Plan, develop and maintain tools developed using _Python_, _Excel VBA (Macros)_ & _JavaScript (MS Office Scripts)_ to automate export and creation of reports
- Developed tools for efficient resource (TEU) allocation and optimization to ensure customer requests in SOP are precisely followed
- Developed and improve UIPath automations that speed-up acquisition of data and bulk data entry on websites
- Developed automations using _Python_ to perform data cleaning, transformations, and upload to an Oracle Database for use in Dashboard & Data Analysis
- Monitor and Analyze logs from scheduled automations regularly to investigate and ensure early detection of issues
- Participated on tasks and investigations to find Data Quality issues in Logistical Data using _Excel_ & _SQL_ to ensure existing data follows all rules set by Customer on SOP

Hardware Engineer & Tools Programmer

Lear Corporation
August 2020 – October 2022 (2 years, 2 months)

- Received the *Key Contributor Recognition Program (KCRP) Award* as a recognition to employees providing significant contributions to company success
- Developed tools using Python to automate Hardware Testing
- Developed automation scripts in SharePoint & within MS Excel to speed up report generation using *Excel VBA Macros* & *Power Automate*
- One of the Pioneers on the creation of a Learning Management System for a company-wide, non-external Global Training System using *SharePoint* and *SAP LMS*
- Developed software tools, automation, data analysis scripts & visualizations (*MS Excel*, *VBA* & *Power BI*) for a company-wide Global Training System
- Plan, Create and Execute tests (manual & automated) for automation scripts & programs using *Pytest* & *Selenium*
- Involved in writing and designing test cases, test plans and test strategies for testing automation scripts
- Developed scripts for Mentor Graphic Xpedition Enterprise tool suite to speed up electronic schematic development & Report Creation using *VB.NET*
- Developed scripts in *Medini Analyze* to automate *ISO 26262* Functional Safety procedures, calculation checking & Report Generation using JavaScript
- Create & Review Electronic Symbols used in Schematic designs to ensure it follows engineering standard

Embedded Systems Engineer / Mobile App Developer

Auksilyo Solutions Inc.
March 2020 – July 2020 (4 months)

- Developed programs for Industrial microcontrollers & PICs using *Assembly* and *C++*
- Developed mobile applications (*Android – Java*) used for Home, Factory & Farm IoT Systems
- Designed UI for mobile applications and Industruino's Interactive LCD using *Adobe XD*
- Calibrated and tested industrial-grade microcontrollers, sensors & transducers for use in industrial sensor systems

Education

Cebu Institute of Technology – University

Cum Laude
Bachelor of Science in Electronics Engineering
2014 – 2019

Licenses & Certifications

HackerRank
- SQL (Advanced) | https://www.hackerrank.com/certificates/a124ee0bfc53
- Problem Solving (Basic) | https://www.hackerrank.com/certificates/c56723286818
- Python (Basic) | https://www.hackerrank.com/certificates/50bbadb90cd0

ISTQB Certified Tester – International Software Testing Qualifications Board
Awarded on October 2021
Cert. # 00109284

Electronics Engineer – Philippine Professional Regulation Commission
Issued January 2020
License # 0074141

Electronics Technician – Philippine Professional Regulation Commission
Issued January 2020
License # 0021076

Skills & Experience

Application & Web Development	*Languages /Framework* HTML5/CSS3 • C/C++ • JavaScript • Python • VB.NET • VBA for MS 365 • Java • React • Android (Java) • REST API • Markdown • Processing (Graphical Programming Language) • JavaScript for Office Scripts • Bash & Power Shell Tools Postman • Web Data Scraping (Python w/ Selenium) • Git/GitHub • Bitbucket • SVN • UiPath • Power Automate • Anaconda • pip • npm
UI Design	Adobe XD • Figma • Adobe Photoshop
Software Testing	Test Documentation • Test Case Creation • Defect Report Creation • Black-Box Testing • Mobile Application Testing • Automated Website Testing (Selenium) • PyTest
Project Management	JIRA • Asana • Scrum • Agile Methodologies • Notion • Trello • MS Planner • SharePoint
Data Analysis & Visualization	MS Excel • Power Query • Tableau • Power BI • Python • SQL • Machine Learning Modelling (MATLAB, Python) • Image Processing (MATLAB & Python OpenCV) • R • SQL • Python – Pandas • Relational DBMS (Oracle, SQLite)
Electronic Hardware Testing & Development	Proteus • PIC Programming • Schematic Design • Symbol Creation • ISO 26262 • Arduino • Raspberry Pi • Embedded Systems Engineering • Medini Analyze (Functional Safety Software) • AutoCAD • MATHCAD

Awards & Participation

2019 Contestant - School Representative
Outstanding Student Creative Research (Sibol Award) – College Category
2019 DOST Regional Invention & Exhibits (RICE)

2018 Contestant - School Representative
Circuit Sprint - SQUEEZE: National EEE Competition and Convention
University of the Philippines - Diliman Campus

2018 6th Place
39th Bit the Bees ECE National Interscholastic Quiz Show
University of the Philippines - Diliman Campus

2018 1st Place (Champion)
Interscholastic ECE Regional Quiz Show 2018 (Central & Eastern Visayas)
Cebu City

2017 3rd Place
Interscholastic ECE Regional Quiz Show 2017 (Central & Eastern Visayas)
Cebu City

2017 Graduate – Best Proposal & Presentation
Solar Street Lamp as Sustainable Lighting within CIT-U Campus
Technologian Leaders Academy: Season 5

2017-2018 Auditor
IECEP Organization | CIT-U Chapter

- - NOTHING FOLLOWS - -