

JOSHUA IAN BAUTISTA

SYSTEM SOLUTIONS ENGINEER

An innovative System Solutions Engineer with over four years of experience in application design, development, testing, and deployment. Possesses a deep passion for Robotic Process Automation (RPA) and Artificial Intelligence (AI). Highly skilled in developing applications integrating various cloud computing services from AWS, Azure, GCP, and LINE. Demonstrates exceptional ability to identify, understand, and translate program requirements into sustainable, advanced technical solutions using Python and other programming languages, ensuring efficient client solutions. Keen on researching new technological trends to enhance client efficiency. Eager to take on challenges and deeply committed to continuous learning of new technologies in this Digital Transformation era.

WORK EXPERIENCE

SYSTEM SOLUTIONS ENGINEER

Trust Communication Inc. 2019-Present

- Design and develop Robotic Process Automation (RPA) for various private companies and government offices in Okinawa to help improve their work efficiency in collaboration with other software engineers.
- Integrating Artificial Intelligence Optical Character Recognition (AI-OCR) and Computer Vision into RPA to automatically process bulk invoices, receipts, and other related documents.
- Create documentation and manuals for client's Digital Transformation (DX) trainings and seminars.
- Develop in-house automated reporting bot for monthly client reports, significantly enhancing efficiency, accuracy, and consistency.
- Design and develop IoT system for smart farming that collects environment data and sends these data to the cloud.
- Utilizing different cloud services like AWS, AZURE, GCP to provide better solutions to our client problems
- Handling of website migration and creation, employing various Content Management Systems like WordPress, MovableType, and WIX.
- Responsible for creating company flyers, and producing product demonstration videos.

RESEARCH INTERN

Chung Yuan Christian University August 2017

- Researched and developed a prototype about the application of Active Noise Cancellation (ANC) in the factory (Best Design Award among the different Universities competed in Taiwan)
- Offered a Master's Degree scholarship by the Dean of Electrical Engineering

EDUCATION

BS in Electronics & Communication Engineering (BS ECE)

Mapúa University 2013-2018

LEADERSHIP EXPERIENCE AND CAMPUS ENGAGEMENTS

- Former President of CFC Youth for Family and Life-Mapua Chapter
- Former Technical Committee Head at IECEP-MIT (Institute of Electronics Engineers of the Philippines Mapua Institute of Technology Chapter)
- Member at GUINHAWA SCHOLARS CLUB
- Member at HSM (Honor Society of Mapua)

AWARDS AND RECOGNITIONS:

- Magsaysay Future Engineers/Technologist (MFET) National Awardee
- Best Thesis EECE Thesis Colloquium 2018
- Best Presenter EECE Thesis Colloquium 2018
- Best Poster EECE Thesis Colloquium 2018
- Best Design Award in International Summer Internship Program at Taiwan
- MAPUA EECE Excellence Awardee 2013-2015 (Award given to top performing students among their batch)
- MAPUA EECE Excellence Awardee 2017 (Oral Presenter at International Conference held at Singapore, IWPR 2017)
- Half-Academic Scholar (An academic scholarship given to students who obtained a quarterly average of 1.75 or higher)

ACADEMIC RESEARCH AND PUBLICATIONS:

Color Vision Deficiency Compensation for Visual Processing Disorder Using Hardy-Rand-Rittler Test and Color Transformation (published in Scopus Indexing, SPIE Digital Library, Google Scholar, Research Gate, Semantic Scholar, and adsabs Harvard.edu)

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AREAS OF EXPERTISE

Robotics Process Automation (RPA)

Software Prototyping

Web Design

AI-OCR

Research

Presentation

AI CHATBOT

Photo & Video Editing

Webscraping

Internet of Things

Scrum and Agile Technologies

TECHNICAL SKILLS

PYTHON

OPENCV

REST API

AWS

AZURE

GCP

GPT

UiPath

GIT

HTML

CSS

JAVASCRIPT

Vue JS

LINUX

MYSQL

WordPress

CERTIFICATES & LICENSES

JLPT (N2 Level)

Japanese-Language Proficiency Test for foreigners.

TOEIC (970 out of 990)

Test of English for International Communication.

UIPATH RPA ADVANCED DEVELOPER

Professional Level Certification for UiPath Developers.

JAPANESE DRIVING LICENSE

Vehicle License (Ordinary) Type.

PRC LICENSE FOR ECE AND ECT

Professional license granted by the Professional Regulation Commission (PRC) in the Philippines.

PERSONAL PROJECT

AI Virtual Assistant (AIVA)

An AI chatbot that helps students and professors in their academic tasks especially in the field of research.

URL: <https://aiva.code-with-ian.com/>

LANGUAGES

English

Filipino

Japanese