

Russ Delos Santos

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WORK EXPERIENCE

Software Technical Analyst

Manulife Philippines

August 2020 - Present

Developer of automation scripts for Manulife Canada's business processes

- Developed automation scripts using RPA tools and .NET for Manulife Canada's business units
- Improved SQL queries by eliminating bottlenecks in scripts
- Created and taught a training program on Python, JavaScript, C#/.NET for the Philippine segment
- Acted as Scrum Master and led Agile methodologies on a rotation basis within the team

Software Engineer

February 2019 - June 2020

Monstarlab Philippines

Developer of the company's robotic process automation (RPA) product called RAX Suite.

- Developed the natural language processing features using C#, PyTorch, & Flask
- Developed Windows and Web Automation functionalities of the product using C#/.NET
- Tested, refactored, and fixed existing bugs of the code
- Written technical documentations of the code

EDUCATION

BSc Electrical Engineering

University of the Philippines Los Baños

June 2012 – December 2018

- Undergraduate Thesis: Development of a Microcontroller-based Dynamic LED Lighting Matrix for Basil (*Ocimum basilicum*) Cultivation
- Scholarship: DOST-SEI RA 7687 Undergraduate Scholarship

PERSONAL PROJECTS

Personal Portfolio

rmdelossantos.github.io

- A static personal website in GitHub Pages written using HTML5, Sass, and Bootstrap

Combined-Cycle Power Plant Output Predictive Algorithm

- A regression algorithm predicting the full capacity output of a combined cycle power plant using temperature and relative humidity data
- The script is written in MATLAB and utilized a data set from UCI Machine Learning Repository

Payment Gateway API

- An API endpoint for credit card payments written in Python with Flask as the main framework

SKILLS

- **Software:** (proficient) C++, C#, Python, Node.js, MATLAB, SQL, NoSQL ; (familiar) React.JS, PHP, Java
- **Development Tools:** Git (GitHub, GitLab, Bitbucket, Azure Repos), Jira, Confluence
- **Hardware:** (familiar) Embedded System Design