John Ray Martinez

Data Engineer with more than a decade of software engineering experience in various industries. Recipient of Outstanding Graduate Student Award, Drexel University CCI 2021.

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EDUCATION

Master of Science in Data Science
Drexel University

09/2019 - 06/2021   *Philadelphia, PA, USA*
Cumulative GPA: 4.0

- Recipient of 2021 Outstanding Graduate Student Award, Drexel CCI.
- Published an international paper "The Impact of driver distraction and secondary tasks with and without other co-occurring driving behaviors on the level of road traffic crashes" in the best journal of 'Human Factors and Ergonomics' according to Scimago Journal Ranking (Accident Analysis and Prevention).
- Capstone Project: "Multimodal Brain Tumor Segmentation using Convolutional Neural Network" which was selected for oral research presentation at the 2021 Drexel Emerging Graduate Scholars Conference.

Bachelor of Science in Physics with Specialization in Computer Applications /
De La Salle University - Manila

05/2002 - 08/2006   *Taft Manila, Philippines*

Bachelor of Secondary Education Major in Mathematics
De La Salle University - Manila

05/2002 - 08/2006   *Taft Manila, Philippines*

SKILLS

AWS Ecosystem | Python | R | Matillion | Boomi

Talend | MSSQL | MySQL | DB2 | Postgres

Amazon Redshift | Amazon Lambda | Amazon S3

HVR | Looker | Tableau | Data Modeling

ACHIEVEMENTS AND CERTIFICATES

Boomi Professional Integration Developer (2022)
Issued by Boomi

Talend Data Integration Developer Practitioner (2021)
Issued by Talend

Completion of Specialization Course Applied Data Science with Python (2019)
DOST-PCIEERD Data Science Scholar. This is a 5-course specialization by University of Michigan on Coursera.

Completion of Course Using Databases with Python (2018)
DOST-PCIEERD Data Science Scholar. Coursera Course given by Charles Severance (University of Michigan).

WORK EXPERIENCE

Data Engineer
Nicholas & Company

07/2021 - Present   *(1.5 years) Salt Lake City UT, USA*
Achievements/Tasks

- Works with functional leads, engineers, and stakeholders for business metrics, analytics requirements, data validation, data analysis, and reporting.
- Maintains and optimizes data pipelines and data architecture in existing applications.
- Builds and deploys unsupervised machine learning model to identify substitute items that pave the way for generating recommendations to the sales team.
- Creates a data pipeline that leverages the cosine similarity metric to build the relationship between the customers based on their product purchase history.

Data Scientist
DXC Technology (Applied AI Center of Excellence)

09/2019 - 06/2021   *(2 years) Philadelphia PA, USA*
Achievements/Tasks

- Developed prototypes and POCs to validate ideas quickly. Deployed predictive models based on historical data that provide future predictions about resolution time interval of service tickets . This effort has received an appreciation given by Digital Transformation Principal for the fast turnaround of the project.
- Developed a multiple linear regression with Kalman filtering model for projecting COVID19 risk down to an individual employee level. This project helped the employees, facility managers and regional leaders make better decisions around RTW at both the company sites and over 1500 clients sites.

Senior IT Consultant
Safeway Philtech Inc (through IT Manager's Inc)

01/2016 - 09/2019   *(3.5 years) Mandaluyong, Philippines*
Achievements/Tasks

- Worked for Merger Accounting team using Unix and DB2. The project involves analysis, development, maintenance, and stabilization of various accounting applications as a result of the Albertsons and Safeway merger.

Senior Software Engineer
Software International Corporation (M) Sdn Bhd

08/2014 - 12/2015   *(1.5 year) Kuala Lumpur, Malaysia*
Achievements/Tasks

- Lead application developer for the SAP conversion project. Involved in analysis, development and modification of Nan Shan Life Insurance's Loans and Claims System. Assisted and advised team members in solving programming problems.

Senior Software Engineer
J.P. Morgan Chase & Co. (through Seven Seven Softwares Inc)

05/2010 - 07/2014   *(4 years) Pasig, Philippines*