

## PERSONAL INFORMATION

## Keith April Guzman Araño

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Sex Female | Date of birth 02/04/1989 | Nationality Filipino

## WORK EXPERIENCE

May 2010 – July 2015

**IT Specialist –Systems Applications Products Advanced Business Applications (SAP ABAP) Developer**

IBM Solutions Delivery, Incorporated, 5F IBM Plaza, 8 Eastwood Avenue, Eastwood City Cyberpark, E. Rodriguez Jr. Ave., Barangay Bagumbayan 1110 Quezon City, Philippines

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- An application developer with expertise in translating IT requirements in the design, development, and assembly of components to create custom information systems, with focus on SAP ABAP. The deliverables include technical designs, coding, unit and integration tests, and documentation.
- I was one of the 17 graduate hires, comprising the pioneer batch of IBM's Team Blue Program in the Philippines. As part of the Graduate Hire Program, I was exposed to a 2-week long soft skills training in time management, effective presentation skills, and project management, among others. I have also attended several training sessions in SAP ABAP for 2 months.

**Project History:****Saudi Airlines (August 2010 - September 2010)**

- Job shadowing: performed data mapping, created pseudo codes for ABAP List Viewer (ALV) Grid reports, and prepared technical specifications documents.
- Learned the basics of handling ABAP objects from developing and testing to documenting a program.

**Cabela's (November 2010 – January 2011)**

- Created a module pool program (custom SAP GUI transaction) that scans the code on an item and updates quantity in a database table.
- Created a custom transaction that allows users to input a parameter, searches all goods within the entered parameter and print a form (i.e. Smartform) with the resulting goods information.
- Prepared test scenarios for a custom RF transaction for counting against a physical inventory document.

**Ericsson (January 2011 – July 2015)**

- Handled activities related to the client's Optical Character Recognition (OCR) system.
- Handled the Readsoft (i.e. 3rd party software used by the client for creating invoices in their systems) issues like attach images to invoices in SAP, reinterpret the images in verify module, delete the problematic endorsers in verify module, and give authorizations to end users for accessing the various modules in Readsoft.
- Solved technical issues in Material Management and Financial Accounting related workflows.
- Performed daily workflow monitoring.
- Analyzed the errors in workflows and suggested necessary code changes.
- Performed code changes based on the new functionality/existing functionality.
- Tested the new changes in development and quality systems.

Business or sector Information Technology

EDUCATION AND TRAINING

November 2017 – Present

**PhD in Management Engineering**

**Doctoral Scholarship Recipient**

Politecnico di Milano, Milan, Italy

- Artificial Intelligence
- Machine Learning
- Natural Language Processing
- Sentiment Analysis

Thesis: Combining Different Artificial Intelligence Techniques for Sentiment and Emotion Detection

June 25-29, 2018

**Data Science Summer School**

École Polytechnique, Paris, France

- Deep Learning
- Machine Learning

September 2015 – June 2017

**Erasmus Mundus International Master in Industrial Management**

**Erasmus Mundus Partner Country Category Scholarship Recipient**

1st Semester: Universidad Politécnica de Madrid, Madrid, Spain

2nd Semester: Politecnico di Milano, Milan, Italy

3rd Semester: Heriot-Watt University, Edinburgh, United Kingdom

4th Semester: Universidad Politécnica de Madrid, Madrid, Spain

Thesis: Internet of Things (IoT) for Estimating Personal Pollution Exposure

- Financial and Managerial Accounting
- Capital Markets and Corporate Finance
- Industrial and International Marketing
- SME Management
- ICT Management
- Operations Management and Improvement in Manufacturing and Services
- Integrated Operations and Supply Chain Planning
- Quality and Maintenance Management
- Business Models
- Strategic Project Management
- Strategic Change
- Leadership

June 2005 – April 2010

**Bachelor of Science in Industrial Engineering**

**Cum laude**

University of the Philippines Diliman, Philippines

- Systems Simulation
- Information Systems
- Introduction to Programming
- Industrial Systems Design
- Stochastic Processes in Engineering
- Industrial Processes
- Probability and Statistics
- Methods Engineering
- Systems and Procedures
- Product Design and Development
- Industrial Quality Control
- Operations Research
- Production Systems

PERSONAL SKILLS

Mother tongue(s)

Filipino

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	C2	C2	C2
TOEFL iBT 101				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

**Communication skills** Excellent communication and team skills acquired through working with multinational clients and colleagues daily for 5 years and from studying abroad for 2 years in a cohort with students from 23 different countries

**Organisational / managerial skills** Good organizational and team-leading skills acquired as Fun Run Committee Head in the IBM Club Sports Fest 2011, Director of the 2014 IBM Club Sports Fest, and as Academics Committee Member of the University of the Philippines Circle of Industrial Engineering Majors

**Digital skills**

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient User	Proficient User	Independent User	Proficient User	Proficient User

Levels: Basic user - Independent user - Proficient user

- Good command of SAP ABAP, R, WEKA, MongoDB, Azure, and Python acquired from work experience and from the university

**Other skills** ▪ Excellent English writing skills acquired over the years in the university and from maintaining a personal blog site

**ADDITIONAL INFORMATION**

- Honours and awards**
- Doctoral Scholarship Recipient (Ranked 5<sup>th</sup> out of 51 applicants, November 2017-2020)
  - Zurich Enterprise Challenge 2016 Honorary Mention (Finalist Team, August 2016)
  - P&G Award 2015 Finalist (Top 6 out of 500 teams, February 2016)
  - Erasmus Mundus Partner Country Scholarship Recipient (Ranked 5<sup>th</sup> out of 500 applicants, September 2015-2017)
  - Cum laude, Bachelor of Science in Industrial Engineering (Academic Recognition to students with GWA of 1.45 to 1.75, April 2010)
  - Best Project – Methods Engineering (Industrial Engineering Awards Night 2008)
  - College Scholar (Academic Recognition to students with GWA of 1.45 to 1.75, 2005-2010)
  - University Scholar (Academic Recognition to students with GWA of 1.00 to 1.45, 2005-2010)

- University Projects**
- CapsNet VS UNet: Latest Advances in Object Segmentation, Co-author (July 2018)
    - Performed experiments using Keras with Tensorflow backend on different hyperparameters to compare the performance of CapsNet and UNet architectures on the MSCOCO 2017 dataset for the task of object segmentation
  - A Dynamic Programming Model on the Optimum Inventory Level for Reinforced Steel Bars, Co-author (March 2009)
    - Formulated a dynamic programming model for determining the optimum inventory policy for a steel plant.
    - Presented the project to an audience of about 100 students and teachers during the 3rd Operations Research Society of the Philippines (ORSP) National Conference.
  - A Methods Engineering Study on Azulis Bag Collection, Co-author (April 2008)
    - Determined and suggested solutions to potential problems related to workplace setup, methods, and systems for a bag-making company.
    - Was awarded Best Methods Engineering Project at the 2008 University of the Philippines Industrial Engineering Department Awards Night.

- Memberships**
- Member of the University of the Philippines Circle of Industrial Engineering Majors
  - Invited Member of the International Honor Society of Phi Kappa Phi
  - Invited Member of the International Honor Society of Pi Gamma Mu
  - Member of Women in Machine Learning and Data Science Milan Chapter