

Mohamed Azimal Azimydeen

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[LinkedIn](#) • [GitHub](#)

SUMMARY

A highly skilled engineer proficient in Industrial robot programming, Programmable Logic Controllers, Industrial automation, Field bus communications, technical support, Installation & Commissioning. With over 6.5 years of hands-on experience, adept at deploying cutting-edge technology to monitor and regulate production across various industries. An expert collaborator, specialized in devising and executing automated testing methodologies, simulating robotic systems, and overseeing testing operations.

SKILLS & ACTIVITIES

PLC Programming: Beckhoff PLC, Mitsubishi PLC, Allen Bradley PLC, Ladder Logic, FBD, ST and HMI.

Industrial Robots: FANUC Robots, ABB Robots, UR Robots and MiR AGV.

PC skills: Knowledge on C, C++, C#, Python, MySQL, Microsoft Office and SharePoint.

Communication Protocols: Ether CAT, MODBUS TCP, Ethernet IP, Remote I/O, CC link and IO-link

Vision Systems: Keyence 2d and 3d Vision and Soda Vision

EXPERIENCE

PBA Group - Robotics & Automation

Yishun, Singapore

PLC Programmer, General Robotics Business Unit

Aug 2021 – Current

- Performed system programming, testing, evaluation, and commissioning of motion control/robotic applications using IEC-61131 methodologies
- Supported in control and programming area of projects worth of \$2M
- Re-engineered method of transferring data which reduced time to complete task by 80%
- Implemented the version control of Twin CAT projects using GitHub from the conventional program backup method.

Shimano (Singapore) Pte Ltd

Jurong, Singapore

Automation Programmer, Digital Factory

September 2020 – August 2021

- Responsible for PLC, Robots and HMI programs development and troubleshoot for machinery and equipment.
- Involved in E-factory project – sensing, set up Energy management system and network setup.
- Increased OEE to over 85% from 65% for 3 automation cells
- Created data collection standards for 30 OT systems to collaborate with IT systems Decreased the storage space by 35% by using the AGV robots

Sys-Mac Automation Engineering Pte Ltd

Woodlands, Singapore

Software Engineer, Automation Engineer

June 2019 – September 2020

- Responsible for PLC, PC and Robotics logic development for Special Purpose Machines (SPM).
- Implemented OOP programming-based automation systems.
- Created software to communicate with 3rd party equipment.

FANUC India Pvt Ltd

Bangalore, India

Robot Application Engineer, Robot System Engineering

December 2016 – Feb 2019

- Responsible for Robot programming for Handling, Welding and Vision application at the customer end.
- Implemented Robotic system using Ethernet I/P, Profibus, CC-Link and TCP/IP.
- Completed 3 projects consisting of 30 six-axis articulated robots successfully.
- Achieved challenging 6 seconds for press machine tending application.
- Achieved best project team for 2 consecutive years.

EDUCATION

Kongu Engineering College, Anna University, INDIA

Bachelors of Engineering, Mechatronics, May 2016

Honors: Winner of Line Follower Robot Competition

MISCELLANEOUS INFORMATION

Language Known : English and Tamil

Nationality : Indian

Visa Status : S-Pass (Expiry- Aug 2026)