

# Airon Paul Imperial Rañeses

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54 Woodlands Drive 16, #09-11, Singapore 737899

## PROFESSIONAL SUMMARY

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- A result-driven person with more than 20 years of experience in Electronic Manufacturing Services (PCBA) as a supervisor, engineer, operator/technician helping and resolving production and customer issues. Experienced in developing system processes, improving manufacturing cycle time, quality yield and providing manufacturing standardization. Expertise in various SMT machine operations, troubleshooting, repair, maintenance, and program generation. Demonstrated management skills that guide, motivate and mold employees to become productive and efficient.

## WORK EXPERIENCE

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### **Production Supervisor - Electronics Manufacturing**

Oct 2017 - Present

*Rockwell Automation Asia Pacific Business Center • Singapore*

- Provide immediate supervision to a team of employees, assigning tasks, checking work at frequent intervals, and maintaining schedules.
- Direct subordinates to complete assignments using established guidelines, procedures, and policies.
- Interact daily with subordinates/peers and customers (typically internal) to exchange or present factual information.
- Work on issues of moderate scope where analysis of situation or data requires review of relevant factors.
- Motivate and supervise assembly employees to achieve production targets.
- Monitor safety, quality, and continuous improvement across the Electronics Assembly Line.

### **Senior Manufacturing Engineering Assistant**

May 2010 - Sep 2017

*Rockwell Automation Asia Pacific Business Center • Singapore*

- Developed SMT manufacturing processes by studying product requirements, researching, designing, modifying, and testing manufacturing methods and equipment.
- Evaluated SMT manufacturing processes by designing and conducting research programs; applying knowledge of product design, fabrication, assembly, tooling, and materials; conferring with equipment vendors; soliciting observations from operators.
- Improved SMT manufacturing efficiency by analyzing and planning workflow, space requirements, and equipment layout.
- Provided SMT manufacturing decision-making information by calculating production, labor, and material cost, reviewing production schedules, and estimating future requirements.
- Prepared product and process reports by collecting, analyzing, and summarizing information and trends.
- Maintained product and company reputation by complying with government regulations.
- Kept equipment operational by coordinating maintenance and repair services, following manufacturer's instructions and established procedures.
- Completed design and development projects by training and guiding technicians.
- Generated SMT, SPI, Glue dispensing, AOI and other machine programs needed for the PCBA process.
- Generated and optimized reflow and wave oven recipe using oven profiler.
- Created manufacturing work aids and instructions for the production.

## **Senior Engineering Assistant**

Feb 2010 - May 2010

*Venture Corporation Limited • Singapore*

- Supported engineer in SMT production, ensuring SMT machines run efficiently to achieve deliverables and full customer satisfaction.
- Supported all manufacturing departments for process improvements, process control and manufacturing/lab trials and experiments for backup systems.
- Established parameters, run size and equipment requirements for all pilot run activities with the operations team.
- Reviewed the acceptability of process capabilities with the Operations, Engineering and Product Development group as well as the results and plans for modification to subsequent run.
- Supported ongoing post launch process and improvement programs to continue to improve product quality and manufacturability.
- Performed process audits as needed throughout the entire manufacturing operation for the establishment of new process parameters for a new product or monitor an established process.

## **Engineering Technical Support 2**

Jul 2008 - Feb 2010

*Celestica Electronics Pte. Ltd • Singapore*

- Generated SMT program using Fuji Flexa for new product (NPI) and line transfer.
- Set-up and operated a variety of SMT machines used in SMT production lines such as solder paste printer, chip and IC placement machine, reflow and wave soldering oven.
- Maintained function and reliability of facility systems and associated equipment by implementing a preventive maintenance program, operating, and testing systems and equipment, restoring, repairing, or replacing faulty components and parts.
- Maintained safe and healthy work environment by following standards and procedures, complying with legal codes and regulations.
- Ensured SMT line is running smoothly by monitoring and replenishing exhausted parts in the feeder and SMT machines.
- Maintained and repaired SMT feeders and SMT machines.
- Investigated and resolved quality problems related to solder paste printer, SMT, reflow and wave solder.
- Maintained operational standards by contributing maintenance information to strategic plans and reviews, implementing production, productivity, quality, and customer-service standards.
- Removed and replaced faulty or bad SMT components using soldering iron.

## **Assistant Process / Equipment Engineer**

Nov 2005 - Jul 2008

*Flextronics Technology Sdn. Bhd. • Penang, Malaysia*

- Resolved engineering problems by collecting and analyzing information; researching, analyzing, adapting, and modifying engineering techniques; recommending solutions; evaluating components, materials, and suppliers; resolving design integration issues; developing specifications and safety standards; performing installations.
- Complied with codes and regulations by complying with requirements, preparing permit applications, plans, and compliance reports.
- Maintained and improves quality results by completing quality assurance tests; following standards; studying, evaluating, and re-designing processes; implementing changes.
- Ensured operation of analytical equipment by calibrating equipment; completing preventive maintenance requirements; following manufacturer's instructions; troubleshooting malfunctions; calling for repairs; maintaining equipment inventories; evaluating new equipment and techniques.
- Determined engineering requirements by conducting inspections and analytical tests; analyzing and synthesizing data; maintaining control charts; determining root causes; preparing bid specifications.

**Process Engineer**

Sep 2003 - May 2005

*Pricon Microelectronics Inc. • Laguna, Philippines*

- Created specification drawings, documents, technical evaluation reports and other documentations necessary in the line.
- Recommended implementation of process changes and modification of stencils for solderability improvement.
- Initiated technician' training for process improvement.
- Responsible for feasibility studies for existing and new product, conceptualized product assembly or process flow taking into consideration the manufacturing quality, productivity and speed and ease of operator during working.
- Responsible in qualifying and disqualifying all related aspects with regards to process capability.
- Conducted training for all production staffs for new and existing products.
- Assisted in negotiating with external customers and suppliers.
- Conducted time study, line balancing and analyze yield trending to meet daily target.

**EDUCATION**

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**Electronics and Communications Engineering**

Jun 1997 - Apr 2002

*University of the East • Caloocan City, Philippines***SKILLS**

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- Specializes in SMT machines, programming software and processes
- Proven skills in machine troubleshooting and process related issues
- Supervising and managing people
- Communication skills in English language
- Proficient in Microsoft office
- Flexible and adaptable to any changes