



# ENGR. RAPHAEL P. PINEDA, ECT

## SENIOR FLIGHT SIMULATOR TECHNICIAN

### WORK EXPERIENCE

#### Alpha Aviation Group

##### ● Senior Flight Simulator Technician (May 2025 - Present)

- Shift leader, overlooks all maintenance task conducted.
- Mentor junior technicians and provide on-the-job training.
- Report system issues and corrective actions to management.
- Liaise with manufacturers or vendors for technical support.
- Participate in developing technical procedures and checklists.

##### ● Flight Simulator Technician (August 2018 - June 2025)

- Specializes in electronics field, tracing problem and troubleshooting using schematic diagram and perform in-house repair of defective parts.
- Experienced in performing heavy maintenance on control loading and motion systems for electromechanical, pneumatic, and hydraulic equipment, including replacement of servo drives and amplifiers, system recalibration, lubrication and oil changes of actuators and bearings, as well as replacement of heavy-duty hydraulic oil filters.
- Maintains Training Devices to regulatory and company standards, ensuring that devices are ready for training use.
- Performs all maintenance task on the Simulators.
- Performs Quality Test Guides (QTG) including Motion Systems, Visual Systems and Sound systems.
- Investigates major malfunctions, conduct troubleshooting for technical issues and update tickets via manufacturer's website and with our company's electronic logbook to keep track of all each simulator issues.
- Performs training device updates hardware and software which includes Nav database, Arinc424 and performs back up/restore of computers.
- Provides total customer support service that includes assistance to Flight Instructors and accompanying clients for their inquiries of the training devices.
- Performs pre-flight and post flight on all Simulators.
- Provides both remote and onsite technical support for sister companies and other organizations requiring simulator technology assistance, both internationally and locally.
- Flight Simulator Devices handled:

##### **Full Flight Simulator A320**

LEVEL D, EASA Certified, CAAP Certified  
Engine: CFM 56-5B4 / IAE V2527-A5  
Manufacturer: CAE

##### **Full Flight Simulator A330/340**

LEVEL D, EASA Certified, CAAP Certified  
Engine: A330/A340  
Manufacturer: Sim Industries (CAE)

##### **A320-200 Virtual Procedure Trainer**

LEVEL 4, CAAP Certified  
Engine: CFM 56-5B4 / IAE V2527-A5  
Manufacturer: ACRON (L3 HARRIS)

##### **ALSIM200**

LEVEL FNPT II, CAAP Certified  
Engine: Multi-Engine Turbo Fan - Cessna Citation II  
Manufacturer: ALSIM

##### **Full Flight Simulator A320**

LEVEL D, EASA Certified, CAAP Certified  
Engine: CFM 56-5B4 / PW1127G-JM  
Manufacturer: ACRON (L3 HARRIS)

##### **Full Flight Simulator A320**

CAAP Certified  
Engine: CFM 56-5B4 / LEAP-1A26  
Manufacturer: China Simulation Sciences

##### **Fixed Base Simulator A320**

LEVEL FNPT II and FTD 1, CAAP Certified  
Engine: CFM 56-5B4 / IAE V2527-A5  
Manufacturer: MPS

##### **AL172**

LEVEL FNPT II, CAAP Certified  
Engine: Single Engine Piston C172  
Manufacturer: ALSIM

#### ● SMK Electronics Corp. (PH)

January 2016 - June 2018

##### ● Process Engineer

- Create manufacturing processes, and conduct defect analysis, engineering evaluations, and statistical analysis and implement corrective and preventive actions to support process improvements.
- Responsible for the creation of documents such as PFMEA (Process Failure Mode and Effects Analysis), Control Plan, Instruction Manuals and Production Check sheets for the implementation of quality standard operating procedure (SOP).
- Responsible for Investigating and troubleshooting problem on faulty lines
- Improve and implement measures to improve production methods, equipment performance, process capability, and product quality.
- Participate and stand as head of cross functional team.
- Evaluates materials, equipments, machines, jigs and tools before start of mass production to assure excellent production quality.
- Conduct process orientation, trainings and awareness to operators, technicians, leaders to assure quality output per process.

### CONTACT

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### CERTIFICATIONS

- Registered Electronics Engineer  
(PRC, Board exam passer, 2015)
- Registered Electronics Technician  
(PRC, Board exam passer, 2015)
- Consumer Electronics Servicing  
NCII (TESDA)

### EDUCATION

Bachelor of Science in Electronics  
Engineering

Don Honorio Ventura Technological  
State University (2010-2015)

### ADDITIONAL SKILLS

- Excellent verbal and Written communication skills in English and Filipino
- Proficient in using Microsoft Offices (MS Word, MS Excel, MS Powerpoint)
- Proficient in Adobe Illustrator, Canva and Figma
- Knowledgeable in HTML, CSS and Javascript Coding.

### REFERENCE

Can be provided upon request.