

# JAKKAPONG SAKSRISUWAN

## EMBEDDED SYSTEM ENGINEER

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### PROFESSIONAL SUMMARY

*Proactive engineer with a passion for efficient development processes and elegant implementations. 5 years of experience in hardware development and 4 years in software, with a proven track record of delivering solutions to satisfied clients in the aerospace sector.*

### SKILLS

- Multi-layer and flexible highspeed PCB development with impedance control
- Mechanical integration using CAD tools (e.g., Fusion 360)
- Programming: C/C++, Python, Java, Javascript; version control with Git
- Technical writing: clear and concise technical proposals and documentation
- Team management using Agile methodologies
- Languages: English (Professional), Thai (Native), French (Conversational), German (Basic)

### WORK HISTORY

#### Delivery Manager — Sopra Steria | Airbus FlightOps Programs

*Since September 2023*

- Implemented upcoming standards for the Central Maintenance System of the Airbus A350 (C, V-cycle)
- Updated pilot cockpit training simulations for the Airbus A350 (Java, V-cycle)
- Authored specifications, test cases, user manuals, and traceability documents in compliance with DO-178C standards
- Collaborated with management and quality teams on cost estimation, scheduling, and project follow-up
- Mentored fellow engineers, including offshore personnel

#### Lead R&D Engineer – Alliantech

*October 2018 – July 2023*

- Analyzed client needs and proposed technical solutions with budget estimations
- Researched components, implemented schematics, and designed PCBs using Altium Designer
- Developed software solutions (C, Python, JavaScript)
- Oversaw prototype production, integration testing, and overall validation

#### Software Quality Assurance Engineer – Apple

*October 2014 – June 2016*

- Led a speech-to-text data validation team for Siri
- Validated software throughout the development life cycle
- Wrote bug reports and followed up on modifications

### EDUCATION

#### Master in Embedded System for Communicating Application

INP-ENSEEIH (Toulouse, France)

*Septembre 2016 – May 2018*

#### Bachelor in Computer Engineering with additional Major in Electrical Engineering

Michigan Technological University (Michigan, USA)

*August 2010 – May 2014*

### KEY ACHIEVEMENTS

- Implemented a BETTI prototype for Airbus, later granted patent no. 11902640
- Designed a calculable capacitive sensor based on the Thompson-Lampard theorem, enabling front-end calibration for capacitive sensing systems
- Developed and implemented PANNs for acoustic event classification, creating a camera-less surveillance solution for pipeline monitoring

### HOBBY

Cycling, Rugby, Jazz music