



LIN KAH KIAT (KK)

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- www.linkedin.com/in/kahkiat
- linkahkiat.github.io (Portfolio)

LANGUAGE PROFICIENCY

- English, Chinese, Malay

SKILLS SUMMARY

- SECS/GEM
- CI/CD pipeline
- SCRUM Practice
- Programming:**
- C#, Python, JavaScript, CSS, MSSQL, Oracle, RestApi, PLC

Mechanical Design:

- AutoCAD, Catia

Electrical & Electronics Design

- Multisim

Machining:

- CNC Machine, Lathe Machine.

EDUCATIONAL:

Bachelor Degree of Engineering (Hons) Mechatronics

Institute : University Malaysia Pahang,
Pekan, Pahang
CGPA : 3.45 / 4.00

Others:

STPM : 2.75
SPM : 7A

CERTIFICATIONS:

- Data Science 360
- Web Development Bootcamp (HTML, CSS, Javascript, Node, React)
- Angular 15
- ITIL v4
- Professional Scrum Master™ I (PSM I)
- OutSystems Low Code

PROFILE

System/Equipment Automation Engineer with experience across semiconductor and IT. Specializes in manufacturing equipment automation, MES/CIM, and factory automation, with strong knowledge of SEMI standards (SECS/GEM, HSMS). Mechatronic Engineering background blending electrical, mechanical, and software skills. Proficient in CI/CD and automated testing using Azure DevOps to improve release quality and time-to-production.

PROFESSIONAL EXPERIENCE

INFINEON TECHNOLOGIES SDN BHD

SENIOR INTEGRATION ENGINEER (INT AP TEAM) ~ 1.5 YRS (SEPT 2024 - NOW)

- Serve as the AP site representative and subject-matter expert for Equipment Automation Framework (EAF), aligning site needs with global roadmap and ensuring smooth factory adoption.
- Joined global EAF development team to deliver continuous enhancements (C#/.NET) that keep equipment integrated with factory systems and compliant with SEMI standards.
- Proficient in CI/CD and automated testing using Azure DevOps Pipelines, improving development efficiency, release quality, and time-to-production.
- Provide technical consulting & training to FE and BE EA teams on EAF components, best practices, and troubleshooting.
- Led a two-person EI review team to govern solution quality prior to production release, enforcing standardizing integrations across tools.
- Received a 2025 Spot Award recognizing overall contributions and achievements.

SENIOR EQUIPMENT AUTOMATION ENGINEER ~ 1.5 YRS (FEB 2023 – AUG 2024)

- Managed integration and upkeep of 100+ tools in the WET Process module, ensuring seamless operation and zero critical incidents.
- Delivered all 20+ WET tools with Equipment Automation Framework (EAF), meeting the WBG project's challenging timeline.
- Perform UAT/SIT first to ensure ZERO defect before release to production.
- Collaborate with cross-functional teams (APC, RSM, SPC, R2R) to identify and project requirements
- Migrated ID capture to Checktray (simultaneous Carrier and Box ID), replacing barcode scanners. Simplified operations and reduced handling time by 80%.
- Consolidated multiple EI codebases into a single standardized solution, eliminating redundancy and cutting maintenance effort.
- Investigated and analyzed EI log files to detect recurring patterns and reduced mean time to resolution (MTTR).
- Received 3rd prize in Kulim Green Line Top QRA 2024 for an EI enhancement that reduced human error and prevented wafer scrap.

OTS RETAIL GROUP

DEVELOPER

~ 1.5 YRS (SEPT 2021 – JAN 2023)

- Developed a REST API systems that helped the company integrate with other third party Accounting Software with their internal website
- Pooling data from 10 multi-store database for reporting and analysis.
- Automated the data entry process, turn Excel into a database-driven Web Application.

CIMATION (M) SDN BHD (SYSTEM INTEGRATOR)

SYSTEM ENGINEER

~ 3 YRS (AUG 2018 – AUG 2021)

- Designed and implemented a data integration platform that unified production data from PLCs, sensors, IoT devices and improving data visibility.
- Developed a real-time monitoring Dashboard. (e.g. OEE Dashboard).
- Developed Defects Detect System that integrates robotic arm and machine vision to to automate the inspection process, reducing manual inspection time by 40%.
- Conducted a POC to Tesco Management to demonstrate how a vision system can detect the number of people in queue at each cashier and trigger alert.