Jia Jun Lee

Penang, Malaysia | lee19@live.cn | (+60) 17-9336126
linkedin.com/in/jiajunlee19 | github.com/jiajunlee | Portfolio

Education

Bachelor Degree of Electrical & Electronic Engineering (E&E) **2016 – 2020**
Universiti Sains Malaysia (USM), Nibong Tebal, Penang, Malaysia
First Class Bachelor Degree Honour with CGPA Grade of 3.96 out of 4.00

Skills

Programming/Scripting: Python
Agentic AI/Robotic Process Automation: UiPath, Maestro
Database/SQL: Snowflake, MSSQL
Data Analytics: Tableau/Power BI
Web Development: React/NextJS/TypeScript/Tailwind CSS
VCS: Git/Bitbucket
Project Management: JIRA/Confluence
Containerization/CI/CD: Docker/Jenkins
Credential Management: Vault
Manufacturing/Control Systems: MES/SPC/RMS

Experiences

Senior Agentic/Robotic Automation System Engineer @ Micron Technology, Penang, Malaysia **Jan'2025 – Present**

- Developed and lead multiple improvement strategies to smoothen NPI executions to achieve on-time sample delivery, cost reduction, minimize quality deviations, improve overall efficiency and drive for business excellence.

Senior New Product Introduction (NPI) Engineer @ Micron Technology, Penang, Malaysia **Sep'2020 – Jan'2025**

- Prototyped, developed, qualified and volume-ramped both Client SSD and Enterprise SSD Products from NPI to High-Volume-Manufacturing (HVM) on-time, one-time, everytime with 100% qualification success rate.
- Enabled Micron Penang with full-fledged capabilities by ramping the first Low-Temp Solder SSD, first E3.S / U.2 Rigid-Flex Complex Form Factor SSDs, and first Gen 5 SSD with high capacity/performance.

Projects and Achievements

UiPath Agentic AI and Robotic Process Automated MES Bill-Of-Material (BOM) Creation **Micron Technology**

- Effectively terminated the traditional manual, time-consuming, and error-prone aspects of BOM creation.
- Vertical efficiency improvement with high-speed robot executions, enabling ramp with $23703 savings per annum.

Overall MES/RMS Recipe Readiness Power BI Dashboard **Micron Technology**

- Early-shift-left detection project, designed to streamline and provide overview on MES/RMS recipe readiness, enabling engineers to resolve recipe-related issues before it impacts production with $26880 savings per annum.

Python-Script Automated SMT Pick & Place Recipe Creation **Micron Technology**

- Leveraged algorithm of script-automated XML modification from master recipe, to generate non-proto / SWR recipes with improved recipe preparation time and license cost saved.

Python-Script Automated Recipe vs BOM Validator **Micron Technology**

- Minimized quality events with scrap cost reduction by introducing Automated Recipe vs BOM Checking Algorithm, to ensure components mounted are correct on its corresponding designators.

Python-Script NPI Reject Guardian with 1st-level story-telling **Micron Technology**

- Smoothen Engineer Investigation Workflow by script automating JIRA issue creation for every drive rejected with details populated, connected to Machine Data for 1st-level story-telling of the issue.