CHATCHAI SEEHANAM

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Test and Failure Analysis Engineer

Almost 5 years of direct experience with Fabrinet Thailand Company. Testing all aspects of the product/system like function/component, system, performance, regression and service and troubleshooting a complex PCBA based product and optical. Coordinate with customer to setting up the test environment. I have a strong analytical/problem-solving skill able to work under pressure and work hard to support the organization goals in achieving total customer satisfaction. I am good teamwork player.

WORK EXPERIENCE

Fabrinet Co., Ltd. (Thailand)   **June/2019-Present**
- **Failure Analysis Engineer/ Test Engineer**
  - Coordinate with customer to setup the Test Station for new product.
  - Debug and test on customer software's and feedback the result.
  - Debug a complex PCBA based product and Optical hardware.
  - Analyze on all information, Field Data Record, pre-test data to find the root cause.
  - Identification a failure and do a report summary to close the FA case on Salesforce with in the due date.
  - Coordinate and guide team on all RMA activities (FA/Data analysis/Debug/Rework). Create the troubleshooting guides document.
  - Coordinate with PE to provide and update process flows and process instructions
  - Disposing of the failure then sending them to rework and cooperate with the team to deliver per the commitment.
  - Coordinate with subsystem engineers and project managers in the identification and procurement of capital equipment for manufacturing test.
  - Identify and procure manufacturing test tooling and test systems / fixtures.
  - Create/Develop tools that would help improve efficiency for production and engineering team.
  - Maintain and monitor for Test database (SQL,MySQL).
  - Query test result data from Database to calculate first pass yield (Daily, weekly)
  - Support New Product at least 20 products with create work instruction (WI), Check list, Traveler follow the flow, First Article Inspect (FAI) new material, Coordinate with IT team to create Data Entry Tool
  - Training an operator for how to assembly the product following WI.
  - Resolve issue in process and Improve process.
  - Work with vendor to resolve the issue of material.
  - Support operation running in terms of process control to accomplish good delivery, quality, and competitive cost.
  - Work with Fabrinet West Team at California, USA for 3 months to debug and close the FA and RMA.
  - Joining with Service Team for training about Debugging, FA/ RMA process of Line Card Product with Infinera Pennsylvania, USA Team to transfer FA/ RMA products to Thailand.
  - Modify and improve the existing software to retrieve and insert data into SQL database to support the new products.
  - Coordinate with customer (Infinera, DZS) at customer site to transfer the new product to Thailand.
  - Lead subordinates in process and equipment to achieve manufacturing key performance such as yield, production effectiveness, down time and cost reduction.

Microchip Technology Thailand (semiconductors)   **Oct/2017-May/2019**
- **Test/Product Engineer**
  - Analyzes and improves the production yield
  - Tests cost reduction
  - Controls and Improve Lot on Hold cycle time.
  - Debug program (Teradyne J750 Platform) to fix a failure rate and reduce test time.
  - Training team for how to use Bitbucket via Git Bash.
  - MCU08 testing

LinxWork Co., Ltd. – Bangkok (Software Development, Web, Application)   **Aug/2016-Sept/2017**
- **Embedded Engineer, Developer**
  - Design Software for control hardware by using C and C++ Language
  - IoT (Internet of Thing)
  - Resolved corruption and other technical issues
  - Install OS for server device (CentOS7, CentOS6, ESX)
  - Alarm SMS System (IoT system)
  - Speech Recognition Demo
  - Current Monitor Demo (IoT).
  - RS485, COM port, and AT Command codding

SKILLS

- **Programming:** C, C++, C#, Java Script, Python, VBA, Visual Basic, Tera Term Language (TTL), Arduino
- **Circuit:** Electronic Device, Optical device, Debug, Knowledge of embedded hardware with an ability to read hardware schematics and understand microprocessor I/O and electrical concepts.
- **Program:** Microsoft Office, OrCAD, Solid work, Sketup, Altium Design, Arduino IDE, DevC/C++, Salesforce, Bugzilla, MySQL, SQL, Bitbucket, Git Bash, Tera term, GitHub, Cadence Allegro,IGE, Visual Studio Code, Visual Studio 2022,SAP,Oracle.
- **Systems:** Linux (Ubuntu, CentOS6, CentOS7, Raspbian), Windows, Configuration switch cisco, Infinera debugging command for Gen1, Gen2, Gen3, and Gen4.
- Ability to use common electrical lab equipment, such as oscilloscope and logic analyzer, to test and debug electrical subsystems.
- Ability to communicate, both written and spoken, in English, Thai, and Lao.
- Excellent analytical and problem-solving skills.
- Excellent codding for I2C, SPI, RS485, COM port

EDUCATION

Rajamangala University of Technology ISAN Khonkaen Campus   **June/2013-Aug2016**
- B.E. in Electronics and Communication Engineering
- Research Thesis of Prototype of Automatic Transport Robot
- GPA: 3.01/4.00