

Akekawat Hongnuntakul

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Age: 37 Years old
Birth Date: October 1, 1982

Race: Thai
Religion: Buddhist

Sex: Male
Place of Birth: Chonburi
Nationality: Thai
Marital Status: Married

2004 – 2007, Bachelor's Degree in Engineer, Major in Computer Engineering

King Mongkut's Institute of Technology Ladkrabang, GPA: 2.78

2001 – 2002, Diploma, Major in Telecom-Electronic

Thai-Austrian Technical College, GPA: 3.37

July, 2016 - Present

Cheetah Engineering Service Co.,Ltd.

Chonburi, Thailand

Position: Specialist Leader

Responsibility:

- Leads engineer team in the design and implementation of technology and solution.
- Manage resource allocations and provide mentoring and coaching.
- Estimate project effort, schedule and budget. Other critical model dimensions include development hours, staff size, risk, costs, hardware requirements and portfolio impact.
- Manage project's budget or product design cost to meet target.
- Guide the technology direction to the team and work closely with the team.
- Drive activities to achieve results that meet customer commitments or product development.
- Communicate milestones, risks, mitigations, and other key information to the business team.
- Report on status of development, quality and system performance to management.
- Hands on knowledge and understanding of technical engineering best practices (e.g., test driven development, continuous integration, continuous delivery, release trains, etc.).

Project experience:

- Low cost inspection system to check missing rubber in the oil filter part, develop inspection software with open source as python and open-cv programming.
- Vision Inspection Portable Machine, Develop the match pattern algorithm to detect in case wrong button assembly, implement machine at customer site.
- Automated Labeling and Packing machine, Develop PLC code to control conveyor, actuator axis for attachment label process, develop software updates result to database system.
- OCR inspection machine, develop vision inspection software to define test result and create local database for user
- IOT low cost module, Design custom IOT module with humidity/temperature sensor, develop driver device check humidity/temperature environment and generate report on web application.
- Design software architecture for IOT controller interface with Siemens PLC.
- Implement Robotic Vision Inspection Machine at United State

April, 2007 – June, 2016**Celestica (Thailand) Limited****Chonburi, Thailand****Position: Test Engineering Specialist****Responsibility:**

- Design test concept and solution to customer/production manufacturing.
- Create the test plan, test coverage and test procedure for the customer's product.
- Join a meeting with the design team and customer to review the test concept on the NPI phase.
- Develop and maintain automated test software, test infrastructure and tester to test enterprise server/consumer products with shell script or LabView.
- Work with R&D team to design the component parts, process for NPI and mass models.
- Review the BOM and component of child-parts, jigs fixture concept then coordinate with the purchasing team to order parts or equipment.
- Design jig fixture, check equipment as per the assigned project and always keep the update schedule to archive target.
- Bring up, Validate, Integrate and implement the automated test software and hardware to customer's site or production line.
- Analysis the root causes of problem in failure issue and cooperate with test sustaining team or customer to solve the problem, also provide corrective action.
- Provide the technical skill and failure analysis as consultant for customer or test sustaining team.
- Report and status update all related incident/problems to customer.
- Meeting with customer and follows up issue that concern with development team to solve the issue and update status to customer in mass production phase.
- Coach and Lead junior staff can handle the project.
- Control test system, utility and test code revision by using the Subversion (SVN) to source control

principles and comfortable.

Project Experience:

The Oracle/IBM and Nutanix enterprise and storage server development project.

- Present and show demo how to operate test sequencer for Customer.
- Create test plan, test coverage and review such as Customer's review.
- Execute manual testing with enterprise or storage server for development test automation.
- Develop automated test scripts/test case to test performance of server by shell script.
- Update the status or progress for development test automation program to Project Manager, ensure the project will meet the target.
- Perform the meeting with team to share test concept and test solution for developer, mentor them to develop the test automation software, ensure the project will meet on target.
- Install the Solaris or Ubuntu to the test server, and configure to support the testing.
- Set up, Validate and deploy test code, utility/diagnostic and test infrastructure to production line or customer's site.
- Manage equipment as per the assigned project and keep tracking the status of equipment.
- Integrate new automated test scripts/test case into the main test automation program.
- Analysis the root causes of problem in each failure and cooperate with test engineering team and customer to solve the problem and provide corrective action.
- Provide the technical skill and failure analysis as consultant for Test sustaining team.
- Control test software's revision, diagnostic tool, test equipment and tester.
- Improve the test code to reduce the test time or support customer's requirement.
- Provide on-site support and transfer the project to other site (US, Canada, Mexico and China).
- Join the weekly meeting with customer to update the issue that relates with test program.

The RF product (Alcatel-Lucent) test development project.

- Join the weekly meeting with RF design team in China to create the test plan and test coverage.
- Develop the test automation program with LabView programming to test RF circuit board (Alcatel&Lucent product).
- Using the test stand for test sequencer and implement to tester.
- Bring up, Validate and Release test code and tester to production line.
- Update the development progress, product issue or any problem to customer every week.
- Estimate test capability of tester to project leader.

- Optimize the test program to reduce the test time or fix some bug.
- Provide the technical skill and failure analysis as consultant for Test sustaining team.
- Follow up the failure issue with R&D team during NPI phase.

The test automation program for USB 3.0 fiber optic cable product.

- Coordinate with the R&D team for USB to design the test concept.
- Design test fixture with mechanical team, check equipment as per the assigned project and always update the status of scheduling to project leader.
- Review the BOM and component of child-parts, jigs & fixtures and coordinate with the purchasing team for the order components and equipment.
- Perform the manual testing with R&D team to ensure test coverage.
- Develop a test automation program with LabView programming to test the USB 3.0 fiber optic cable.
- Set up the tester, validate and implement the test program to the production line.
- Perform failure analysis to find the root cause(s) of failure with the Test sustaining team.
- Estimate test capability of tester to project leader.
- Update the test automation program follows the R&D team's requirement.

The Sound/Mixer (Avid) test development project.

- Estimate cost for the new product and purpose to Customer for cost investment.
- Create the timeline for development of a new product.
- Design the test plan for the product and review it with Customer.
- Define the solution to develop the test automation software based on the diagnostic tool that is provided by the customer.
- Perform the meeting with team to share test concepts and test solutions for the developer, mentor them to develop the test automation software.
- Manage equipment as per the assigned project and always update the status of scheduling to Customer.
- Coordinate with the mechanical design team and developer to meet the target in the schedule.
- Meeting with customer to discuss any technical or product issues during development.
- Perform manual testing to learn about the functional or behavior of the product.
- Fabricate the jig test fixture and set up the PC tester for testing.
- Develop a test automation program with LabView programming, Shell script to test the product.
- Set up the tester, validate and implement the test automation program to the production line.
- Provide the training and documentation about tester/test software for the production team.
- Coach the technical support on failure analysis for test engineering or production team.
- Coordinate with the test engineering team for test software or product issue.
- Improve the test software to reduce the test time, fix any bug and support customer's requirement.

The Smart Receiving application project.

- Kick-Start the project with the user, get the user's requirement and study manual process for receiving parts to store.
- Design system over all system and automation process to improve the current process flow.
- Create schedule, task and timeline for software and hardware development.
- Share concept, solution and estimate cost for team member, user and developer.
- Review and Order equipment that is used for projects and delivery to users.
- Update development progress to team members every week.
- Follow up with the developer to discuss any technical issues during development.
- Implement software applications and set up equipment for users, follow up with them for user's feedback and any issue.

Additional Project

- Optimize and fix some bugs in the JAVA web application (Test sequencer tool) or diagnostic tool.
- Design the database with MySQL for data loggers.
- Develop a web application with PHP to get the temperature and humidity result from an embedded controller board, shows the result in the XY graph for the user's monitor.
- Integrate the web application into the controller board.

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- TCL/Expect: Intermediate Tcl/Expect script training.
 - Labview: Intermediate (Software for test sequencer/to measurement equipments)
 - Shell script: Shell script for system admin.
 - PostgreSQL: Database Application and design.
 - Java: Basic Java Programming.
 - CPP (CISCO Parametric Platform) test systems: System software to control all test scripts and step to test CISCO products.
 - Effective Communication
 - Embedded Linux Development on ARM Processor
 - Panasonic PLC & Servo
 - Siemens S7-1200 PLC

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- Celestica's Recognition Program Encore Award for Differentiated Customer Experience

• Computer Skill :

- TCL/Expect, Shell Script, Perl.

- Intermediate LabView version 8.6 to 2016, NI Vision and National Instrument Application.
- Java, C/C++, Python.
- Web Programming: HTML, XML, PHP, Javascript.
- Database: MySQL, SQLite, PostgreSQL.
- OpenCV and Image processing.
- UNIX operating system.
- Linux (Ubuntu/SUSE/Redhat/Fedora/CentOS) system admin.
- Solaris/Linux system admin.
- MS Office/Excel
- LAN/WAN, TCP/IP Protocols.
- TestStand version 5.x and 2010.
- SVN (Subversion) and Git.
- SolidWork 2016.
- Panasonic PLC, Siemens PLC and IOT2040

• **Language :**

Thai	Reading	Listening	Writing	Speaking
	Excellent	Excellent	Excellent	Excellent
English	Good	Good	Fair	Fair

Typing: English 35 words/minute, Thai 25 words/minute.