



ANU SAKPIBAL

TEST DEVELOPMENT ENGINEER • CHON BURI, THAILAND • +66989927739

◦ DETAILS ◦

Chon Buri
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◦ LINKS ◦

[github:](#)
<https://github.com/nuSapb>

[medium:](#)
<https://medium.com/@nunabnan>

[LinkedIn](#)
[My portfolio](#)

◦ SKILLS ◦

Industry Standards Compliance:
Knowledge of IATF 16949 and
other industry standards for
quality assurance.

CPK, Statistical Process Control
(SPC), Measurement System
Analysis (MSA), and Gage R&R to
ensure test accuracy and product
quality.

Data Analysis: Using tools like
Power BI and Python to look
at data and improve production
quality.

MES & Software Integration:
Experience in using MES software
to track data and make fewer
mistakes.

Technical Leadership: Leading
cross-functional teams,
troubleshooting, and solving
complex problems.

Full-Stack Web Development:
Skilled in front-end technologies
like HTML, CSS, JavaScript,
ReactJS, and back-end
technologies like SQL, .NET, and
NodeJS.



PROFILE

I am a Test Development Engineer with hardware and software design, development, and testing expertise. I have strong skills in programming languages like Python, LabVIEW, C#, C, and C++, and in creating functional testers that meet industry standards such as IATF 16949. My experience includes web development with HTML, CSS, JavaScript, ReactJS, SQL, .NET, and NodeJS, as well as using GIT for source control.

I specialize in automating test systems, data analysis, and improving manufacturing processes, utilizing tools like CPK, SPC, MSA, and Gage R&R. I enjoy collaborating with teams to solve problems and enhance efficiency, managing projects from start to finish with a focus on quality and cost control.



EMPLOYMENT HISTORY

Test Development Engineer at Kimball Electronics (Thailand), Chonburi July 2018 — Present

- Responsible for developing test software and hardware for the New Product Introduction (NPI) of electronics in medical devices and automotive sectors.
- Conducted failure analysis, maintained functional and MSA system analysis, and optimized FCT processes to increase production yield and ensure on-time shipments.
- Developed test systems for Smith & Nephew products, including the LENS4K Surgical Imaging System, WEREWOLF COBLATION System, and VERSAJET III Hydrosurgery System, ensuring compliance with high-quality standards.
- Created and implemented test software for A123's automotive Battery Management System (BMS), focusing on reliability and performance.
- Utilized LabVIEW, Python, C/C++, and C# to build and debug functional test systems, streamlining production line efficiency.
- Automated electronic test systems to align with project timelines and specifications, maintaining control over testers, fixtures, and test software.
- Root cause analysis for test failures, finding effective solutions to maintain production standards.
- Collaborated with customers and suppliers to resolve technical challenges, adhering to project deadlines and budgets.
- Provided technical support to manufacturing, quality, and materials teams, prioritizing critical tasks to achieve project goals.
- Used Power BI and Python for data analysis, contributing to a 15% increase in production yield.
- Integrated MES software for automated data collection, cutting manual errors by 25%.
- Worked with cross-functional teams to ensure smooth transitions from prototypes to mass production.

HOBBIES

Camping, Craft beer, Reading

◦ LANGUAGES ◦

English

Test Development Engineer at Celestica (Thailand), Chonburi

June 2015 — July 2018

- Responsible for functional test development, failure analysis, and enhancing production yield, ensuring consistent on-time shipments.
- Supported Cisco's Optic Business Unit (OTBU) in the Functional Test Department, developing test scripts to improve test coverage and reduce testing time.
- Set up test machines and created test scripts for Cisco Network Convergence Systems (NCS1K, NCS4K), optimizing efficiency and ensuring product reliability.
- Focused on improving testing processes, resulting in better accuracy and reduced cycle times for critical products.
- Led troubleshooting efforts and conducted root cause analysis to address and fix testing issues, contributing to increased production stability.

System Engineer at Canon (Thailand), Prachin Buri

August 2014 — June 2015

- Managed SQL databases to keep track of production data and ensure quality.
- Built tools in C# to monitor production lines in real time, allowing faster problem-solving.
- Worked with production teams to set up new processes and improve existing ones.

Network Engineer at Mobicrate, Bangkok

April 2014 — August 2014

- Design, implement, and manage network operations to support the customer.
- Analyzed and fixed network issues to ensure smooth operation.
- Create and execute plans for implementing efficient network solutions
- Provide technical support and problem-solving assistance to related teams as needed



EDUCATION

Bi-Eng Computer Engineer, Kasetsart University, Chonburi

March 2010 — April 2014

Senior project : Home Automaton, in concept IoT use android device control Electronics device

High School, Sriyapai, Chumphon

March 2009 — March 2011

Math-Science



COURSES & CERTIFICATIONS

Non-Degree AI and Robotic, Kasetsart University

Full-Stack Developer, Thai Programmer Association

introduction to data science and machine learning, Digital Academy Thailand

Process/Machine FMEAs, Control Plan and PPAP

IATF 16949 certification is a quality management system standard for the automotive industry

ISO 13485 is the internationally recognized standard for quality management systems