

RESUME



MR.KAMPANATH KAPPAGO(นาย กัมปนาท กัปโก) E-mail : cosineman@gmail.com Tel. 096-147-8263

290/259 หมู่บ้านสุภาลัยร่มเกล้า อ.ร่มเกล้า เขตมีนบุรี จ.กรุงเทพมหานคร 10510 Age : 41 Religion : Buddhism Military : Free Sex : Male

Date Of Birth : October 15,1983 Marital Status : Single Own vehicle & Driving License

PORTFOLIO

[Portfolio Kampanath Kappago](#)

EXPECTED SALARY

52000 Baht or negotiation

EDUCATION

King Mongkut's Institute Of Tecnology Ladkrabang (KMITL)

Bachelor Of Engineering, Major in electronics, GPA 2.40

2003 - 2007

Navamin Tarachinutich TreamUdomsuksa NoamKloaw School (น.ต.อ.น.) (N.T.U.N)

1999 - 2002

(โรงเรียนนวมินทราชินูทิศ เตรียมอุดมศึกษาน้อมเกล้า), GPA 3.3

TECHNICAL SKILLS

NI (National Instruments) → Labview, Vision Builder, Vision Development, NI-MAX, NI-DAQ, USB-8451, USB6501, TestStand

Test Equipment → Oscilloscope, Digital Multimeter, , Signal Generator, Handheld multimeter, Power Supply

Web Application → Angular, React ,Node.js ,ASP.NET Core , SQL , MySQL , Bootstrap , HTML , CSS, ,Javascript, MongoDB, TypeScript

Programming Language → C# , JAVA ,C++ , C , VB6 , VHDL , Assembly (MCS-51), AutoIT

Embedded System → Arduino, PIC24 , MCS-51 , FPGA , Embedded Linux, Raspberry pi, Ubuntu Linux

Electronics → Analog And Digital Circuit , Semiconductor Device , Soldering , Altium , Protel , PCB Lyout

WORK EXPEREINCE

Freelance

Sep 2021 to Present

Software Developer (Software Game, C#, Website Developer) [LINK](#)

- Develop PC game to sell on steam (steam, the largest digital distribution platform for PC gaming)
- Develop mobile game for android phone and Apple iPhone (both paid game and free game with advertisement)
- Software Tools And Programming Language
 - C#
 - VS Code (lightweight source code editor)
 - Unity3D (cross-platform game engine)
 - Blender (free and open-source 3D computer graphics software)
 - Audacity (free and open-source digital audio editor)
 - Inkscape (free and open-source vector graphics editor)
- Web Application Developer [LINK](#)
 - C#, Angular, React, Node.js, ASP.NET Core, SQL, MySQL, Bootstrap, HTML, CSS, Javascript, MongoDB, TypeScript

Benchmark Electronic Thailand

Dec 2017 to Aug 2021

Test Software Development Engineer, Salary : 46000 [LINK](#)

- Develop test software for PCBA functional testing (C#, Visual Basic, Labview, Teststand)
- Develop vision inspection software for finish assembled product (NI Visual Inspection, NI Visual Development)

Example Project

- Test Program Porting [LINK](#)
 - For Emerson Mobrey (Ultrasonic Liquid Level Transmitter) (porting test program from VB to Labview + USB6501 Digital IO) To measure test with signal generator, digital multimeter and oscilloscope.
- Automated Optical Test (AOT) [LINK](#)
 - For Emerson Rosemount (Petroleum Industrial LCD) (Teststand + Labview + NI Vision Development Module + USB-8451 I²C/SPI Interface Device) For vision inspect product 's LCD panel pattern. Also test for voltage and current usage with digital multimeter.
- Web Application for report test result and edit test parameter [LINK](#)
 - To replace old offline tools (GPS module product) (Angular + ASP.Net Core(C#) + MSSQL + MySQL + JavaScript)
- Test Automation Improvement [LINK](#)
 - For Emerson VIM2 (IO simulation device) (Labview + NI Vision Development Module + Autoit) Use Autoit for automating the windows GUI task (reduce operator workload) Because the old test system require many program and many procedure to test the unit and have very long test time (about 20 minute). New test system also provide vision inspection for LED pattern blink check (replace operator work to reduce human error).
- Automated Optical Inspection (AOI) [LINK](#)
 - For Seagate (PCIe SSD) (NI Vision Builder + Labview) For vision inspect product's label. Inspect text, logo, signs, check serial number part number with database, compare barcode with OCR reading .
- Arduino project
 - Hard disk drive warming machine controller (16 slots) (Seagate) – to control each slot's LED to turn green when it is time up, to control each slot's LED to turn red when it is working , to control each slot's LED to turn off when slot is empty.

Microchip Technology Thailand

Feb 2014 to Dec 2017

Product/Test Engineer [LINK](#)

- Test program maintenance and release (Visual Basic 6) (J750 Tester) (PIC 16 bit Microcontroller Product)
- Test process yield improvement and action plan
- Coordinate with test engineer and product engineer at Philippines and America
- Test hardware releasing (probe card , strip test and singulate load board)
- Training at microchip Philippines for 1 month (PIC 16 bit Microcontroller test mode programming)
- Conference call with America branch and Philippines branch 2 time per week
- Handler – UF3000 prober, Multitest MT9928, Aetrium 5050, MCT SH-5300, Rasco-1000, Temptronic Thermostream

UTAC

Nov 2010 to Jan 2014

Test Development Engineer [LINK](#)

- Develop IC test Program for each customer(Visual C++) (Temperature sensor IC, LED driver IC)
- Design electronics circuits (load board) for IC test process on customer request
- Communicate with America customer (Atmel) , Korea (Magnachip) , Take care customer when they visit factory
- NEXTEST: Maverick PT tester machine, Credence TMT ASL1000 (VisualATE) tester machine
- Training at Teradyne Philippines for 1 week (Magnum) (IC tester machine and how to programming its library in visual c++)
- Handler - Multitest MT9928, Rasco-1000, MCT SH-5300

Toshiba Semiconductor

Oct 2007 to Nov 2010

Test Process Engineer [LINK](#)

- Test program maintenance and debugging (Visual Basic 6) (Light sensor, Optical Transmitter Module)
- Tester and handler (Credence TMT ASL1000)
- Test process yield improvement and action plan
- Quality control, customer return, weekly report, work instruction

ACHIEVEMENTS

- Survey Robot [LINK](#) (MCS-51 Microcontroller, RF ASK 434MHz ICs, DC motor driver, Stepper motor driver, IF LED ,Optical transistor)
 - Senior project , Wireless Control from visual basic program from PC, Assembly language with MCS-51
 - Visual basic program can show real time video from survey robot (from camera installed at robot)
 - Visual basic program can show robot travel history (like x-y graph), get data from hall magnetic sensor and optical encoder
 - Hall magnetic sensor (I2C) and optical encoder (Infrared LED, Opto transistor)
 - Show temperature from survey robot from temperature sensor IC (1-wire bus)
 - Wireless transmit and receive data with TLP434A and RLP434A (RF ASK hybrids module 434MHz)
 - Control camera direction with 12v Stepper motor and ULN2003 driver , wheel control with 12v DC motor and L298 driver

PERSONAL PROJECT

- Web Interfacing With Embedded Device Demo (Embedded Linux MINI2440 , C++ , html) [LINK](#)
 - Embedded linux connect IO with button, ADC slider knob, LCD module and use web server inside embedded linux
 - Show button status(ON/OFF), Analog to digital slider knob level, LCD module text on web page
 - From web page, can send text to show on LCD module
- Water Temperature Control (Labview) [LINK](#)
 - Control temperature water within user limit by control heater current
 - Show temperature water, heater current, and user limit on graph
 - Save datalog to local
- Web App For Online Shopping (Angular, TypeScript, Bootstrap, ASP.net, C#, SQL) [LINK](#)
 - Login page
 - Stock page (can add, edit, remove product from database)
 - Selling page
- Web App For Online Restaurant(React, TypeScript , Bootstrap) [LINK](#)
 - The web design is cloned from website of fine dinning restaurant located in New York
 - Responsive design for work both in PC and mobile phone
 - Main page, about, chefs, venues, private events, press, FAQs
- Basic Image Processing With Raspberry Pi And OpenCV (Object Detection) [LINK](#)
 - Python, Ubuntu Linux, OpenCV
 - This software can detect missing screw on PCBA from captured image from camera on Raspberry Pi
 - Count all screw in the image
 - Can training image manually with tool providing from OpenCV

TRAINING AND CERTIFICATIONS

- 2019 Web Application With Angular8 + ASP .NET CORE + SQL SERVER Training Course (5 days, Code Mobiles Thailand)
- 2018 Labview Core 1-2 (5 days , National Instruments Thailand)
- 2016 Microchip PIC 16 bit Test Mode Programming (1 Month ,Microchip Philippines)
- 2012 VLSI Analog IC Test Program Training Course (5 days, Teradyne Philippines)
- 2008 Six Sigma (5 days, Toshiba Semiconductor Thailand)