

Contact

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(LinkedIn)

Top Skills

Problem Solving
Technical Presentations
Presentations

Languages

Vietnamese (Native or Bilingual)
English (Professional Working)
Japanese (Limited Working)
Chinese (Limited Working)

Certifications

Japanese BJT J4
Project Management Professional (PMP)
HSK Level 4 (HSK四级)

Bach Nguyen Phan Thien, MSc, PMP®

Project Manager

Ho Chi Minh City Metropolitan Area

Summary

- Domain knowledge: Automotive Airbag, Android/Linux Device drivers & Bootloader, Smart Energy Meter & DLMS protocol, cyber security (MD5, SHA, AES), Symbian LCD driver, freeRTOS, ASPICE & CMMI & ISO (9001, , 27001), EHS (14001 & 45001).
- Strengths: process build-up and audits (ISO 9001, ASPICE, CMMI L3, EHS), project management, C/C++ programming & embedded SW.
- Education: Master of Computer Science, Certified PMP.

Experience

Bosch Global Software Technologies Vietnam

Project Manager

December 2018 - Present (6 years 4 months)

Ho Chi Minh, Vietnam

Domain: Automotive

- Project Manager of Automotive Passive Safety development (ASPICE L2 compliance).
- Managed multiple-projects with Japanese and European automotive manufacturers.
- Responsibilities:
 - + Estimated cost for quotation and controlled cost during project lifecycle.
 - + Acted Product Owner role in 3-weeks Scrum.
 - + Performed risk management.
 - + Conducted SW quality gate and supported FMEA, FSIA, Safety Workbook review.
 - + Conducted lesson learn and improvement (FTA, 8D)
 - + Coordinated global teams to meet goals of projects, prepared customer reports.
 - + Made PDCA training for 2 new project managers.
- Achievements:
 - + Successfully delivered 150+ released SW.

- + 2019-2020: Successfully delivered 4 projects for Japan market.
- + 2020-2021: Successfully delivered 6 projects: 1 for China market, 2 for EU market, 1 for Japan market, 2 for US market.
- + 2022: Achievement award for project groups during Covid-19 period.

- EHS representative of departments for ISO 14001:2015 and ISO 45001:2018 activities.
- Auditee of department for ISO 27001:2018.
- Responsibilities:
 - + Identified compliance requirements and gaps.
 - + Planed and conducted first training for all associates in departments (200+)
 - + Documented targets and objectives for each departments.
 - + Refined a procedure for real vehicle test activities across departments.
 - + Did Lab inspection and foster adherence of associates.
 - + Support new auditors.
- Achievements:
 - + Got first ISO certificates in 2019.
 - + Got renewal certificates in 2020, 2021.

- Supported global internship program in 2019: plan and support 3 students from Japanese University in 3 weeks.

Renesas Electronics

9 years 4 months

Staff Software Engineer

January 2018 - December 2018 (1 year)

Vietnam

Domain: Real-time System on MCUs

- Lead of FreeRTOS development, 6+ internal associates with 5+ outsourcing associates
- Successfully delivered 2 projects on 2 new MCUs with supporting FreeRTOS porting, 10+ drivers development: BSP(Board Support Package), SPI, etc. and demo using TCP/IP and Touch Panel.
- Successfully delivered full package of porting USB 2.0 drivers for FreeRTOS on new 2 MCUs: Host and Peripheral of Communication, HID, Mass Storage.

Domain: Code Generator

- Lead of Eclipse tool plug-in development
- Set up new team with 3 associates.

- Delivered the first concept of code generator for FreeRTOS application, creating project package based on GUI config.
- Lead of Software Engineering Process Group (SEPG (CMMI L3 v1.3, ISO 9001:2015, ASPICE 3.1)
- Responsibilities:
 - + Set up the ISO team.
 - + Established the document and training system for ISO 9001
 - + Supported CMMI L3 renewal activities in 2018.
- Achievements of SEPG:
 - + Got ISO 9001: 2015 in 2018.
 - + Got CMMI L3 renewal in 2018.
 - + Established first baseline document for ASPICE 3.1.

Software Team Lead

May 2016 - January 2018 (1 year 9 months)

Ho Chi Minh city, Vietnam

Domain: Energy Smart Meter on MCUs (16 bit)

- Lead of Energy Smart Meter.
- Successfully delivered full solution (HW/SW & tool) of 3-Phase Smart Energy meter prototype Class 0.5s, with supported cyber security (SHA-256, AES 128/192/256) and Client GUI using .NET for India and China markets.

Domain: Real-time System on MCUs (16 bit and 32 bit)

- Lead of FreeRTOS development.
- Set up new team for RTOS development: internal associates(4+) and external outsourcing associates (5+): completed the recruitment, training and technical transfer in 6 months.
- Successfully delivered 1st project of FreeRTOS porting to new MCU platforms with device drivers development: BSP(Board Support Package) , Timer, DMA, WDT.
- Silver prize of achievement award for Energy Meter and FreeRTOS development, granted by Renesas Design Vietnam.

- Lead of Software Engineering Process Group (SEPG): CMMI L3 v1.3, ASPICE.
- Achievement of the SEPG:
 - + Define full development process and template to support project management.

- Dec 12th-21st, 2016: biz trip in Tokyo, Japan for world wide workshop of development process review and improvement. Responsibilities: Quality Assurance, Configuration Management, Organizational Training.

Software Senior Engineer

May 2012 - May 2016 (4 years 1 month)

Ho Chi Minh city, Vietnam

Domain: Energy Smart Meter on MCUs (16 bit)

- Developed Energy meter: 1 Phase meter, DLMS protocol.
- Feb 26, 2014- Feb 28, 2014: oversea training of AES ciphering in Singapore. Applied in first release of DLMS protocol.
- From 2014: Supported CMMI appraisal activities as ATM and got CMMI L3 in 2015. Responsibilities: QA, CM, OT.
- Gold prize of contribution award for CMMI appraisal, granted by Renesas Design Vietnam.
- 2014~2015: Supported QC activities as QC leader of Group.

Software Engineer

September 2009 - May 2012 (2 years 9 months)

Ho Chi Minh city, Vietnam

Domain: Smart Phone on SoCs

- Developed Symbian LCD driver.
- Developed Android: boot loader, fast boot; Linux drivers: WDT, CPU Freq, Power Management.
- Developed Android LCD driver of AMOLED.
- Jan 10th-21st, 2012: biz trip in Tokyo (Japan) for the HW/SW boost camp of Android deployment on a new SoC . Responsibilities: Boot loader and fast boot.
- Bronze prize of innovation award for Android boot system development, granted by Renesas Design Vietnam.

Education

Ho Chi Minh University of Technology

Master's Degree, Computer science · (2009 - 2012)

UNIVERSITY OF SOCIAL SCIENCES AND HUMANITIES (USSH)
SECOND BACHELOR'S DEGREE, ENGLISH LINGUISTICS AND
LITERATURE · (2016 - 2020)

Ho Chi Minh University of Technology

Bachelor's Degree, Computer science & Engineering · (2004 - 2009)