Contact

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(LinkedIn)

Top Skills

Gtest
Code Coverage
Test Coverage

Nguyen Quoc Dat

Senior Software Engineer at Bosch Global Software Technologies
Vietnam
Ho Chi Minh City, Vietnam

Summary

I am a software developer from Ho Chi Minh, Viet Nam, with over
five years of programming experience.

Experience

Bosch Global Software Technologies Vietnam
Senior Software Engineer
April 2022 - Present (3 years 1 month)
Ho Chi Minh City, Vietnam

Working as a member of the DTV (Digital Terrestrial Television) component in
the Car Multimedia project.

Main responsibilities:

- Implement the main feature of the DTV component in the Android automotive
system
+ For the Application (Using Java to build a demo app for testing purposes)
+ For the Service (Using AIDL, Java, JNI, and C++)
+ For the HAL service (Using AIDL, HIDL, and C++)
- Research and develop the DTV control tool to support verifying the firmware
of the TV module (Using the C++/CLI, and UART to communicate)
- Investigate critical bugs
- Write the unit test for the Service and HAL side (Gtest for C++ and JUnit test
for Java)
- VTS and CTS also
- Setup environment to generate the code coverage report for Gtest (Lcov) and
Junit test (Jacoco)
- Write technical documents (SWCDD and API for the Application team)
- Testing and verifying features after implementing
- Joining the daily meeting with the Team and Customer team (Follow the Agile
model – Scrum process)
Knowledge:
- Knowledge of data bus (UART, I2C, SPI, ...).
- Knowledge of SElinux

- Good at Data structures and Algorithms, Linux bash shell, and scripts
- Good knowledge of Debug on Windows/Linux foundation
- Good knowledge of the multi-thread in C++
- Good knowledge of the design patterns in C++
- Good knowledge of the software development process
- Good at project management and issue tracking tools: Gerrit Code Review, Jira.

Bosch India
Senior Software Engineer
September 2022 - November 2022 (3 months)
Bengaluru, Karnataka, India

Working as a member of the DTV (Digital Terrestrial Television) component in the Car Multimedia project.

Yamaha Robotics Engineering Asia (Shinkawa Vietnam)
Software Engineer
September 2018 - July 2022 (3 years 11 months)
Vietnam

Main responsibilities:
- Using MFC Framework with C++ to develop the new function and maintain software for the wire bond machine in the semiconductor industry.
- Build a user interface
- Research and provide the best solutions for customers to improve production processes
- Research and design the new function based on the request from the customer
- Investigate critical bugs
- Research and develop the tool on AutoCAD software to support the customer in the product quality management (Using LISP programming and ObjectARX framework to develop)
- Write test case and technical documents
- Testing and operating the Wire bond machine
Knowledge:
- Good knowledge of Wire bond machine operation
- Good knowledge of SEMI Equipment Communication
- Good knowledge of Debug on Windows foundation
- Good knowledge of the multi-thread in C++
- Good knowledge of the design patterns in C++
- Good knowledge of the software development process

Education

Communication University of Vietnam (Nha Trang city)

Bachelor's degree, Information Technology · (2014 - 2018)