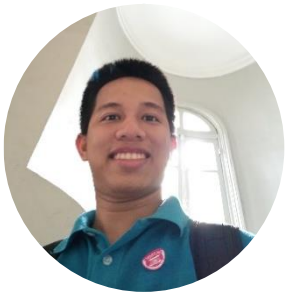
LE CONG KHANH



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OVERVIEW & OBJECTIVE

Have been working as a software developer since 2015. During the past 3 years, I involved in many roles such as Designer, Coder, and Tester. Became the oldest (most experiment) engineer in the project, I'd been promoted to Technical Leader (role) from the end of 2017, my team has 6 peoples. This October, we had released latest product to mother company in Japan (see notes).

As a software developer, I recognized the necessity to improve my technical skillset because many new technologies have been introducing, and I don't want to be left very far behind. Months recently, I am learning Java, Spring, MySQL, and some web technologies in my spare time. I am interested in understanding how pieces of stuff like that worked because I only learned embedded systems in the university.

Those small achievements strengthen my love in software. I recognized myself as a lifelong learner, and I felt its time to move. So I announced my managers about this decision at the end of September, and everybody understood my hope. Until now, we almost finish the knowledge transfer. So I am preparing myself for the next challenges.

Notes:
Published information about the product which I been worked on:
https://www.renesas.com/eu/en/products/software-tools/tools/model-base-development/embedded-target-for-rh850-multicore.html#productInfo
https://www.renesas.com/us/en/about/press-center/news/2018/news20180614.html

EDUCATION

BS Cantho University (Vietnam), Mechatronics Engineering 2011 to 2014
Graduated with a pretty good GPA (2.9/4.0)
(lookup: https://qlvb.ctu.edu.vn/; code: 288616)

WORKING EXPERIENCE (SUMMARY)

Renesas Design Vietnam Co., Ltd. 2015 to 2018
* This is where I started my career.

- *2017 to m/o 2018:* Technical Leader, Designing, Coding, Testing
- *2016 to 2018:* Designing, Coding, Testing
- *2016 to 2018:* Coding, Testing (Python, C++, AutoHotKey, MATLAB, Batch, C)
- *2015 to 2018:* Automation Testing (Python, AutoHotKey, and MATLAB)

COMPUTER SKILLS

Programming languages:

- *Proficient:* Python, C/C++, MATLAB, AutoHotKey
- *Intermediate:* Java, Javascript
- *Basic:* jQuery, AngularJS, MySQL, Boostrap, C#, Visual Basic, Ruby, AutoIt

Environments:

- Windows, MATLAB & Simulink, Embedded System, Web

PROFESSIONAL TRAINING

Renesas Design Vietnam Co., Ltd.

- Acquired important skills by training:
  - Requirement traceability
  - Project Planning
  - Design for Test
  - Qualitative data analysis
  - Root cause analysis using “5 Why”

LANGUAGES

Vietnamese: Native Language
English: Intermediate Listener, Writer, Novice Speaker, Advanced Reading

WORKING EXPERIENCE (MORE DETAIL)

Renesas Design Vietnam Co., Ltd. 2015 to 2018

Technical Leader 2017 to m/o 2018

- Leaded a project with 6 members and in charging of all technical works; doing plan for development schedule, monitoring QA/QC activities. Solid knowledge in conducting full SDLC under CMMI standard. Be a mentor to support new engineers.

Designing 2016 to 2018

- Applied various Design Patterns: Template, Hook, Singleton, and Strategy.
- Used tools:
  - Enterprise Architect
  - Star UML

Coding 2016 to 2018

- Developed an automatic code generation environment for Multicore Model-Based Development Framework on Renesas's MCUs by C/C++11, Python, and MATLAB/ Simulink.
- Bring up boards without OS on various 16-bit & 32-bit Renesas MCU devices (e.g. RH850, RL78, RX, etc.) by ASM code. Developing resource management library for RH850 Multicore devices in many-core applications on both Renesas Compiler and GHS Compiler.
- Knowledge of Inter-Process Communication (Concurrency, Multi-Threading).
- Manipulated many MATLAB/Simulink packages from R2015a-R2016b focusing on Model-Based Design Development field (e.g. Simulink Coder, Embedded Coder).
- Knowledge of compiling source code using NMAKE (for Visual compiler) and GMAKE (for MinGW compiler).
- Used tools:
  - *Version control:* + Tortoise Hg, Tortoise Git, Tortoise SVN
  - *IDE:* + Visual Studio, MATLAB, Renesas CS+
  - *Static Code Analysis:* + PSV Studio, CppLink, CppCheck, MATLAB
  - *Code Coverage:* + Visual Studio Enterprise (Team tools)
  - *Others:* + WinMerge (comparing code), GrepWin (searching with RegEx), Kazoeciao (counting code), and self-made tools using Python (automating tasks, collecting data)

Testing 2015 to 2018

- Created an automation test tool with Python, MATLAB, C++, and AutoHotKey. The automation test tool automates tasks on our software GUI. By having this tool, we reduced over 70% manual testing effort in the project.

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