LE CONG KHANH

Phone: (+84) 369 275 286
Email: lecongkhanh382@gmail.com
City: HCMC, Vietnam

OVERVIEW & OBJECTIVE

Have been working as a software developer since 2015. During the past 3 years, I invoved in many roles such as Designer, Coder, and Tester. Became oldest engineer in 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 (see notes) to mother company in Japan.

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 sparetime. I am interested understanding how stuffs 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 annouced 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.

My favorite quote
 "If everything important, then nothing important, select the one that matter".

Notes:
Published information:
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, ASM)
- 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
- Lead 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
- Apply various Design Patterns: Template, Hook, Singleton, Strategy, etc.
- Used tools:
    - Enterprise Architect
    - Star UML

Coding   2016 to 2018
- Develop 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).
- Manipulate 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:*   + CppLink, CppCheck, MATLAB Code Analysis
    - *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. By having this tool, we reduced over 70% of manual testing effort in project.

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