

26G MENTOR-MENTEE TRAINING PLAN

NOV 2017 – NOV 2019

DATE: NOV 27, 2019
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SOFTWARE SOLUTION 32 GROUP
RZ/G TEAM

BIG IDEAS
FOR EVERY SPACE

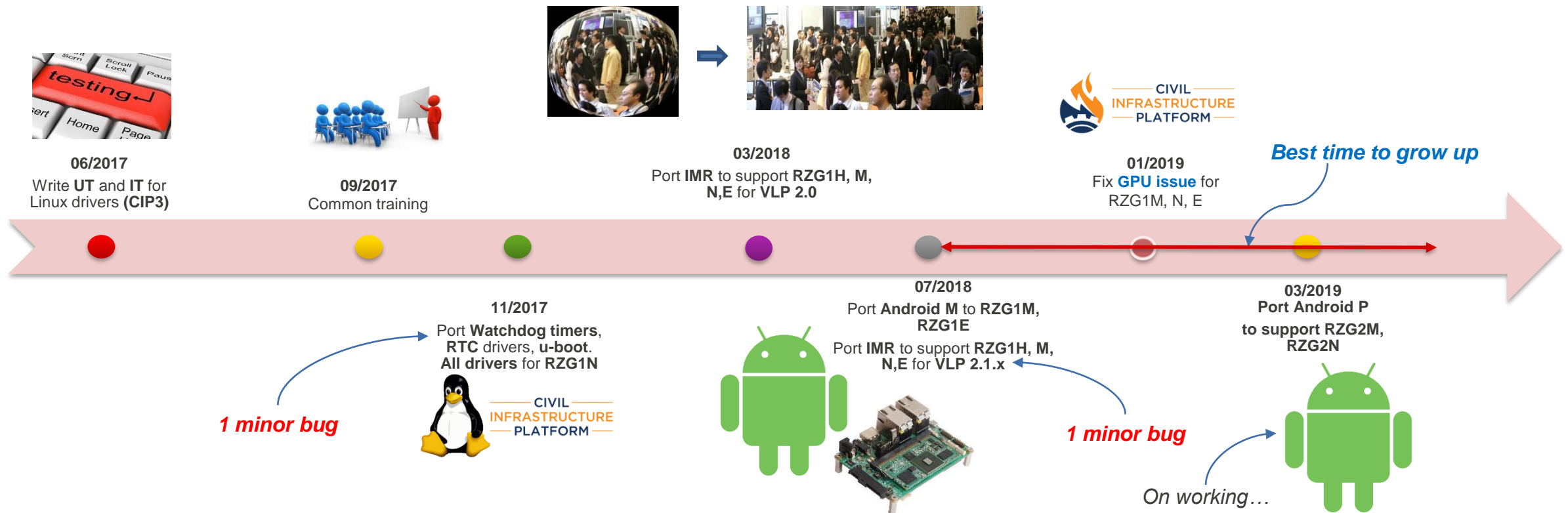
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LOOKING BACK AFTER 2 YEARS IN RVC



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TARGET & ACHIEVEMENT

TARGET

My target: Become **Coding Engineer Level 2** with below skills:

- Could **manage** and **create** my own plan to finish tasks **well**.
- Could do **similar** tasks **without** support and **parallel** task with **a little bit** support from mentor.
- Could **support** new members to do their task.
- **Be able** to work well in team and can suggestion solutions for tasks in RZ/G team.

ACHIEVEMENT

Now I am **Engineer level 2**. What had I achieved

- **NO** delay in any tasks after 2 years.
- **Less** bug when doing tasks. Only **2 minor bugs** after 2 years.
- Could **guide** and **support** colleagues in their work. **Especially** for Android and a little bit about development environment: **yocto recipe**, **Linux kernel**.
- Could work **independent** and do **NOT** need support from mentor anymore. (Android task).
- Could **manage** and **create** my own plan to finish tasks **well**.
- Be able to **share** opinion and **discuss** about Android plan and task assignment.
- Could work well in team (Teamwork). Could discuss, support, share task among Android team.

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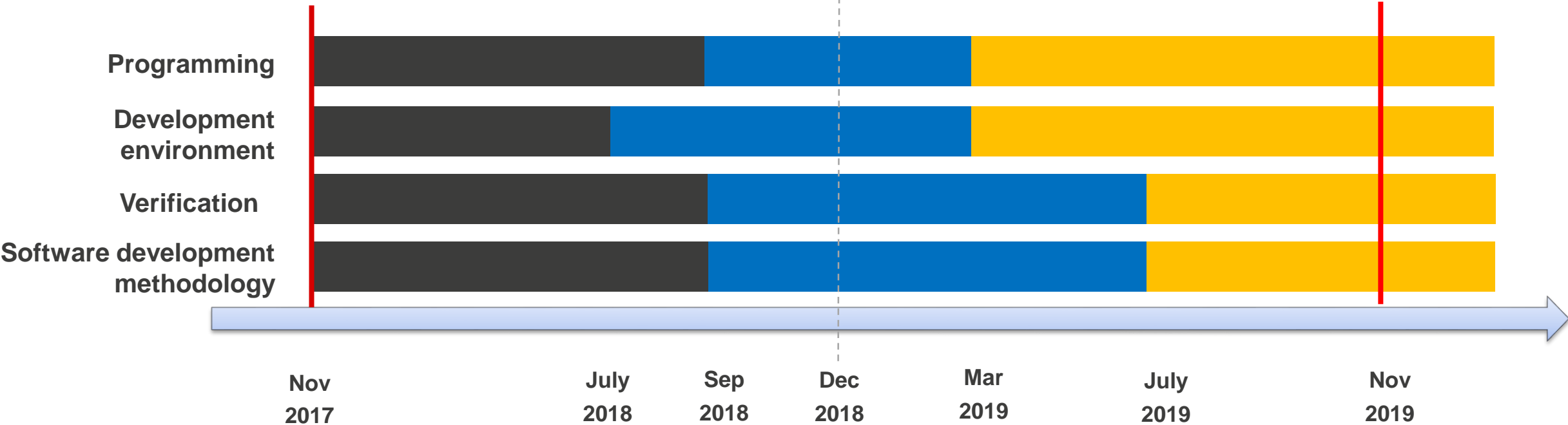
CURRENT STATUS

Need more time to investigate and understand input. Can do simple tasks with helps from mentor . Need mentor to monitor output from mentee and verify mentee's knowledge.	Level 1
Can do similar tasks with small helps from mentor or other members Can do new tasks , but need helps from mentor	Level 1.5
Can do similar tasks without helps from mentor or other members Can do task independently with hints and suggestions from mentor or other members	Level 2

First presentation

Mid-term presentation

Final presentation



CURRENT STATUS(1/3)

TECHNICAL SKILLS

CODING ENGINEER



Programming

- Have **sufficient** knowledge about C language and bash scripts when doing porting drivers/modules task in Linux such as: u-boot, watchdog timer...,etc.
- Have **sufficient knowledge** about **C++**, **Java** language to work with Android tasks.
- Can develop simple Java application to improve Android OS.
- Be able to **review** and **improve** Android features like **Camera**, **Bluetooth HAL**,...etc.
- **Good** at debugging Android issues. Could **suggest** more **ideas** to support colleague to debug Android issues.



Development environment

- Can understand and modify recipes of RZ/G environment in Yocto.
- Understand **whole RZ/G Android system**: Kernel, bootloaders, device configuration, HAL,...etc. Have **sufficient knowledge** about **Android framework**. Can **modify** and **create** new services to support improve Android OS.

CURRENT STATUS(2/3)

TECHNICAL SKILLS

CODING ENGINEER



Verification

- Refer verification skill from Triet-san to improve my verification skill and try to create **test specification** before making test case.
- Could **create**, **review** test case and **perform** it to verify Android features.

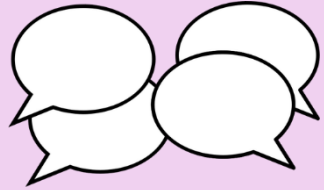


Software development Methodology

- Have **good** skills to analyze and investigate the task assignment before starting. It includes: investigate task requirement, create my **own plan**, set **priority**, **do** and **review** result **every** weeks. I **always** follow this method to arrange and do the task well.

CURRENT STATUS(3/3)

SOFT SKILLS



Communication

- Can **explain** my idea **clearly** to others colleague.
- **Always** try to **listen**, **discuss** and **support** new members in their work. Listening is an important skill that helps me to get knowledge from other colleagues.
- For English, it is **acceptable** for current work.



Management

- Can **do** and **manage** task well by making plan for each task. During 6 last months, I **guide** new 29G member and also **support** him to debug **difficult** issues. It also helps to improve time and workload management.
- Can discuss and share opinion about Android plan and task assignment: **classify**, **evaluate** and set **priority** for each task with the **deadline**.

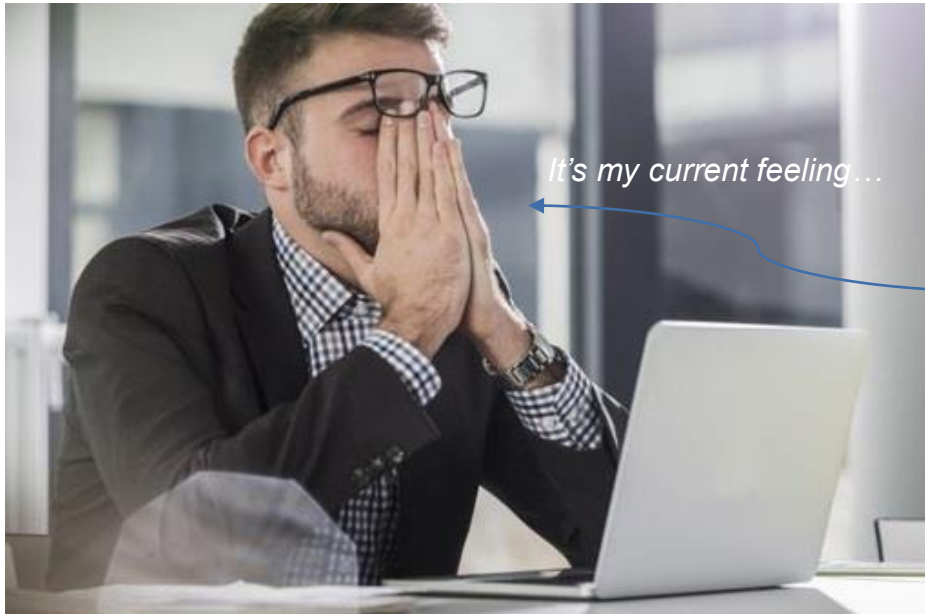
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DIFFICULTIES & SOLUTIONS (#1)

- **Category:** Development environment
- **Problem:** The development environment is huge and complex. Some Android parts (Android graphics, OMX) are close source.
- **Impact:**
 - With some difficult issues, I must take **more time** to investigate whether it is issue from close parts and ask REL to support. Because we have **NO** source code and **NO** experience.
 - As mention, the Android environment is huge. So I do NOT have deep knowledge to handle difficult tasks well.
- **My actions:** Take time to read and learn about the concept and workflow of graphics, codecs. Even though it is close source, we can still learn frameworks parts to understand basic workflow.

DIFFICULTIES & SOLUTIONS (#2)



- **Category:** Management
- **Problem:** The Android task is **TOO** big and require to do many tasks. But there are **ONLY** 3 members who are assigned to this task. Lack of resource. So I must do **many tasks** to finish the release well.
- **Impact:** Must do tasks after working time to complete and prevent delay. So I feel so stress after working with many tasks for a long time. I don't have enough time to investigate deeply about android and also learn other fields: Qt, Gstreamer,...etc.
- **My actions:** Try to analyze and create clear plan and steps for each task and set target, priority for each task before doing.

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NEXT PLAN

- Become key members in Android team.
- Learn and apply new technology to improve RZ/G business.
- Be able to guide new members and support colleagues in their tasks (maybe mainly on Android tasks).
- Learn and investigate more about Android to answer Q&A from customer to improve RZ/G business.

Me, after 2 years



Q & A





THANK YOU FOR YOUR ATTENTION