

Case Study

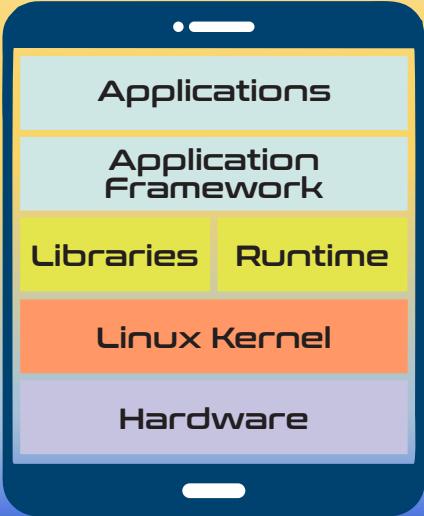
Android Mobile Development Project

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Upskilling, reskilling, and onboarding program for equipping Malaysian manufacturing teams of a leading global semiconductor company to develop Android Mobile Handsets using Qualcomm chipsets.



CASE STUDY
ANDROID MOBILE DEVELOPMENT PROJECT



Services Offered

- Training
- Staff Augmentation
- Consulting
- Recruitment

About Timmins

Timmings is a premier enterprise that creates world-class training, staffing, and consulting solutions in niche technology. Since our launch in 2015, we have been trusted by top brands across the US, UK, Canada, France, Singapore, India, Malaysia, Indonesia, China, and Thailand.

Timmings helps bridge the gap between industry & academia.

We specialize in Memory Technology, Video Codecs, Telecommunications, Artificial Intelligence, Embedded Linux Programming, Embedded Android Programming, Programming Languages, and other new and next-generation technology domains. All our programs are developed and delivered by subject matter experts.

Overview

—o Staffing, Training & Consulting for Android Smartphone Development

This Android Mobile Development program is designed to equip the Malaysian manufacturing teams of a leading semiconductor company to build Qualcomm chipset-based Android smartphones. The ongoing intervention involves hiring, onboarding, reskilling, and upskilling the client's on-site hardware and software engineers to handle project-specific tasks. The program includes mandatory training on the entire Qualcomm ecosystem and Linux OS for Android.

Timmings has been successfully running this staffing, training and consulting program since 2018. The highly customized sessions are developed and delivered by subject matter experts using state-of-the-art hardware. Over the years, this Android Mobile Device Development knowledge - sharing program has equipped the client's manufacturing teams in Malaysia to independently develop Qualcomm chipset-based Android smartphones. It is conducted by 8 Timmins trainers (principal engineer level and above) with a combined industry experience of 170 years.

Program Participants: Hardware and Software Teams, Architects, Senior Managers, and Product Owners.



“Timmings is a niche technology partner committed to supporting businesses with customized training, consulting, and staffing solutions that have real-world value.”

- Raj Rajaratnam,
Timmings Founder & CEO

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Our Intervention

- Timmins has designed this staffing, training, and consulting intervention to assist the client's engineering team to develop Android smartphones using Qualcomm chipsets.

The ongoing program equips the client to hire, onboard, reskill, and upskill fresh hires while reskilling and upskilling its existing manufacturing staff. To facilitate suitable knowledge transfer, the program includes assessing the training needs of the team's engineers and assigning them to suitable training tracks. Each track helps prepare the staff to work on project-specific tasks. The training tracks include sessions on mobile chipset and board design, Linux and device drivers, Android framework, Android multimedia, Android connectivity, and Android App development.



Our engaging and unique methodology offers a blend of both practical and theoretical learning.

TIMMINS INTERVENTION OVERVIEW

1. Equipping hardware team with relevant knowledge for board bring-up

2. Hands-on training on Linux / Device Drivers

3. Android Framework / Treble training

4. Hands-on exercises on Qualcomm SDM660 based Linux / Android board



6. Android (versions 10 & 11) workshop with Android Emulator Handset

7. Weekly consulting sessions by Timmins Subject Matter Experts to equip Senior Engineers / Architects to solve ongoing Android / Mobile technology challenges

5. Android implementation for Qualcomm technologies

Methodology

Results

We design all our programs keeping in mind the learning requirements of working professionals in the highly demanding niche technology industry. Our engaging and proven methodology ensures that your team gets the maximum benefit of your program of choice as quickly as possible. Based on the client's requirements, we have adopted the following methodology for this Android Smartphone Development program:

- Prototype board bring-up
- Coding exercises
- Simulations & emulations
- Quizzes & problem sets
- Device driver development
- Linux kernel programming

The program participants are equipped to independently work out solutions and deal with challenges on their company's Android product. The intervention has resulted in the release of Android version 10 phones in Malaysia.

The participants are now working on developing and releasing Android version 11 phones in Malaysia.