

Date: September 25, 2025

## TO WHOM IT MAY CONCERN

This is to certify that **Mr. Mushfiqur Rahman Chowdhury** was employed as a full-time **Software Engineer** at **Samsung R&D Institute Bangladesh Ltd.** from **December 20, 2023 to September 26, 2025**. Throughout his tenure, Mr. Chowdhury consistently demonstrated dedication, technical acumen, and a proactive approach to problem-solving. His professionalism and collaborative spirit made him a valuable asset to the team.

As his departmental supervisor, I had the opportunity to oversee his work closely.

### Key responsibilities included:

- Successfully commercializing Samsung products including **Galaxy Buds3** and **Galaxy Buds3 Pro** etc.
- Developing and optimizing audio features of hearable devices based on **RTOS** (Real-Time Operating System).
- Analyzing system logs to detect and resolve bugs reported by market users and Samsung testers.
- Identifying problems through ideation and submitting **Document of Inventions (DOIs)** for potentially patentable solutions.
- Contributing to proof-of-concept development for detecting physiological **stress scores** from Galaxy Buds sensor data, in collaboration with **Samsung Research America**.
- Developing an **Android** application to operate the buds' stress features and collect sensor data for analysis using **Bluetooth** protocols.
- Developing audio testing features used to measure **hardware efficiency** of **TWS (True Wireless Stereo)** devices.
- Contributing to proposing commercializable solutions at Samsung **Mobile Developer's Conference**.
- Collaborating with Samsung R&D centers in **Korea, USA, and Vietnam** on feature customization, bug resolution, and release cycles.
- Preparing technical training materials and **mentoring new team members**.
- Preparing development-specification documents and maintaining regular communication with the **HQ** team.

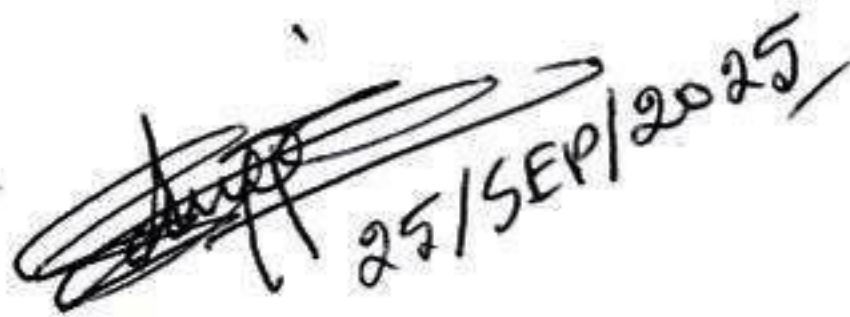


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Mr. Chowdhury has shown a strong interest in **RTOS & Embedded Systems** development, particularly in the context of hearable technology and audio frameworks. His work on audio-related features in the framework layer of TWS devices has directly contributed to improving product stability and user experience.

He is quick to adapt, eager to learn, and consistently demonstrates precision in a fast-paced development environment. I am confident that he will excel in any future endeavor and bring value to any team he joins.

 25/SEP/2025



**Samir Halder**

**Principal Engineer (Head of Group)**

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