Naveen B

Bengaluru,560024 | +91-9535202165
naveenbn4923@gmail.com

Technology Driven Engineer with 3+ years experience in Android Development and Verification looking for career in the field of Software Engineering so as to utilize my skills for organization and individual growth.

SKILLS

Java, C++, Python, OOPS, Shell scripting, Android HAL, AIDL, Android native services, Android System Services, Android Framework, Git, Gerrit, Jenkins, ALM, Confluence, Android Debugging, Android Architecture, JIRA, Linux

EXPERIENCE

Android Framework Engineer   Nov 2021 – Current
L&T Technology Services Ltd., Bengaluru, Karnataka

- Creating Software **Update packages** (OTA Packages) for **Qualcomm based android devices**.
- Studying new **AOSP** features by google and implementing the same in n Qualcomm based android devices.
- **Bring up of new Android Platform** by doing the necessary changes in update_engine code for successful update and functioning.
- Applying various techniques to locate bugs and errors using **adb logs** during **OTA updates** and provided speedy issue resolution.
- Developed and implemented solutions for Android System Apps used for FOTA update.
- Optimized inter-process communications in Android by working on AIDL, leading to enhanced system efficiency.
- Collaborated in the development of a background system app for tracking and reporting FOTA update failures to the server.
- Basic knowledge of creating native applications with a focus on leveraging platform-specific features.
- Integrated and Utilized BootControl **HAL** module in **Native Service** to check firmware updates required.
- Adapted system apps to Android T,U, V cookies, ensuring seamless compatibility.
- Spearheaded the enhancement of **SELinux** policies by adding rules and rectifying violations, resulting in improved security measures.
- Writing and maintaining **shell script and python script** for creating update packages.
- Authoring **code fixes and enhancements** in Android code for inclusion in future code releases and patches and creating **Gerrit** commits for same.
- Conducted log analysis and root cause analysis to address complex issues in the software update process, ensuring smooth deployment of updates.
- Successfully integrated Android modules into new devices and Android development board kit, facilitating seamless deployment and efficient functioning.
- Testing and **Verifying changes on device** prior to final review to verify issue resolution and resolving the **JIRA tickets** raised for same.
- **Writing and maintaining Jenkins scripts** for running daily sanity jobs for new software labels and devices.
- Familiar with running Vendor Test Suite (VTS) for mobile devices, ensuring compatibility and quality of updates.
- **Documenting** the new features and fixes in **Confluence** for future reference.
- **Executing test plans** to assess software functionality, integrity and security in **ALM.**

EDUCATION

Bachelor of Engineering (B.E) - CSE   Aug 2017 - Aug 2021
SEA College of Engineering, Bengaluru
- Graduated BE in Computer Science And Engineering (CSE)

Senior Secondary School - PCMB   May 2015 - May 2017
Krupanidhi PU College, Bengaluru
- Completed Senior Secondary Schooling in PCMB.

High School   May 2012 - May 2015
Golden International School, Bengaluru
- Completed High Schooling