

# SAALIM QUADRI

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saalim-quadri

danascape

## Experience

### Murena

Jun 2025 - Present

AOSP Engineer - Full-time

Remote

- Part of AndroidOS team, working on **Frameworks**, and **Android 15** bring-up
- Forward-ported **Launcher3** features from Android 14 to 15, incorporating performance optimizations, feature parity, and a clean codebase rebase, ensuring a seamless and stable user experience across versions

### Vispero

Oct 2024 - Jun 2025

AOSP Engineer - Full-time

Remote

- Ported **Android 13 and 15** to **Raspberry Pi 4B, Pi 5, CM4, and CM5** modules, expanding device compatibility and improving product versatility across multiple embedded platforms
- Developed a **HIDL** interface for configuring **DSI display** output in AOSP, supporting custom resolutions and a wide range of displays, enabling flexible hardware integration for various industrial use-cases
- Configured and customized **U-Boot** to support **A/B partitioning**, ensuring robust and fail-safe over-the-air updates for embedded Android devices
- Implemented **OTA update** support through payloads, enhancing update reliability and security for deployed systems
- Adopted the latest Android partitioning standards and Shipping APIs, to streamline production deployment workflow
- Proficiently ran Android **Compatibility Test Suite (CTS)** tests and adeptly fixed source code to ensure compliance with **Android platform standards**

### Multiways International L.L.C.

Jan 2024 - Oct 2024

Android Framework Developer - Part-time

Remote

- Redesigned the **Settings** and **Launcher3** component, enhancing user experience and customizations
- Reverse Engineered **Google SystemUI-Clocks** and wrote **ClockProviderPlugin** overlay to enable custom clocks
- Pioneered **QS Tiles** Logic for a customizable layout, supporting 3/2 and 2/2 bottom and 2/2 and 2/4 top **QS layout**

### Nimo Planet

Oct 2022 - Apr 2023

Linux Kernel Developer - Part-time

Remote

- Upstreamed and built Linux Kernel driver for **Azotek IQS5xx** touchpad and integrated in **AOSP**
- Participated in the development of 6 Axis **Inertial Motion Unit (IMU)** sensor driver for the **Linux kernel** which is capable of gathering environmental data utilizing a pedometer, Accelerometer, gyroscope, and tilt detection

### NextFruit Electronics

Feb 2022 - Aug 2022

Android Platform Developer - Part-time

Remote

- Adapted **Qualcomm BSP** for **Snapdragon 2700 Wear** chip and created device tree configuration for the android devices compatible with AOSP
- OS Optimization's – Reduced Android Boot-up time from **45s to 26s** – Kernel Improvements to reduce Memory Usage

### The LineageOS Project

May 2021 - May 2022

Android Device Engineer - Freelance

Remote

- Developed a free and **open-source operating system** for 5+ devices, based on the **Android Platform**
- Worked with a team of **50+ developers** and brought up LineageOS official for Asus Max M2, OnePlus N10
- Maintained **MSM8937, SM6125 and SM6350** family of devices for Lineage 21/20/19.1 release cycle

## Open-Source Work

Linux Kernel | C, YAML - [Patches](#)

- An active contributor to **Linux Mainline** having submitting over **15+ patches** on **linux-iio** and **dt-bindings**
- Spearheaded upstreaming of LTS Kernel version for Qualcomm Snapdragon 429/430 from **V3.18 to V4.9, V4.19**, which involved re-writing **Device Tree Structures** and **IIO drivers** to follow new Kernel ABIs
- Implemented and **Back-ported BBR TCP algorithm** from V4.14 to V4.4 LTS Linux Kernel

## Technical Skills

**Languages:** Kotlin, Java, Bash, Python

**Interface Languages:** HIDL, AIDL (C++)

**Tools:** Bazel, Ninja, Jetpack Compose, XML, Git, Jadx, IDA, Ghidra

**Technologies/Frameworks:** Android, JIRA, Docker

## Education

Dayananda Sagar College Of Engineering

Dec 2021 - May 2025

B.E in Electronics and Communication

Bengaluru, India