

Jyotiraditya Panda

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Education

Bachelor of Computer Science

Saraswati Degree Vidya Mandir [✉](#)

09.2019 – 07.2022

Berhampur, India

Experience

NimoOS Developer

NimoPlanet Inc. [✉](#)

07.2022 – present

- Collaborated with ODMs to customize and optimize the Android-based software for AR/VR glasses, including cleaning up the source code provided to us and adapting it to build with the latest Ubuntu operating system.
- Maintained code in Git and wrote scripts to automate tasks and streamline workflows, improving team efficiency and productivity.
- Assisted other team members with troubleshooting and resolving issues related to software development, debugging, and testing.
- Conducted a thorough analysis of unused and unnecessary services and applications, resulting in a significant reduction in background usage and improved hardware performance.
- Implemented various boot time optimizations and customized the device name and boot animation to align with in-house branding standards.
- Led the effort to port the latest Android 10 and Android 11 versions to the AR/VR glasses, ensuring compatibility and stability with the device hardware.

Framework Developer and Device Maintainer

AOSPA [✉](#)

07.2019 – present

- Collaborated with cross-functional teams to develop and maintain custom Android-based ROMs for a variety of devices, including Redmi 7/Y3 sdm632 and Xiaomi's miatoll line of Snapdragon 720G-based smartphones such as Redmi Note 9 (S, Pro, and Pro Max) and POCO M2 Pro.
- Led the effort to port ROMs with all CAF (Code Aurora Forum) sources, ensuring that they were compatible and stable with the device hardware for Android 10.
- Designed and implemented Adaptive Playback functionality for Android 10, which enabled users to specify a length of time to have the music turned off if the volume was set to zero, improving the overall user experience.
- Mentored new team members and provided technical guidance to assist them with device-side difficulties and frameworks, ensuring that they had the knowledge and skills to contribute effectively to the team.
- Reviewed codes submitted to Gerrit Code Review and ported and upgraded functionalities from previous Android versions, resulting in enhanced stability and improved performance for Android 11.
- Conducted a full bring-up for Xiaomi's miatoll line of Snapdragon 720G-based smartphones, including Redmi Note 9 (S, Pro, and Pro Max) and POCO M2 Pro, as well as for Snapdragon 662, 710, 855, 865, and other SoCs, ensuring that the ROMs were fully functional and optimized for the device hardware.
- Continued to innovate and improve the ROMs by helping others port features from previous Android versions and performing a full bring-up for SD888+ (lahaina) SoC-based Xiaomi MIX 4 device for Android 12, keeping up with the latest trends and advancements in Android technology.

Lead Developer and Founder

10.2018 – present

WaveOS [↗](#)

- Conducted complete source bring-up based on CAF sources for Android 9 and AOSP sources for Android 11, ensuring compatibility and stability with device hardware.
- Improved the user interface/user experience of stock Android, creating a fresh and modern feel, and redesigned numerous components of the AOSP interface to improve the user experience and make the interface more intuitive and user-friendly.
- Advised and assisted the team with device sources, provided technical support, and developed and maintained custom features and functionalities.
- Optimized system services and background processes, developed and maintained scripts to automate build processes, and mentored new team members to improve overall quality.

Android App Developer

02.2021 – 03.2021

Techdia

Tamilnadu

- Developed a T9 layout keyboard app from scratch for visually impaired individuals, featuring large buttons and shortcut utilities such as Text-to-Speech and Google Assistant integration.

Projects

ID Book [↗](#)

Web based utility to store ID/documents.

- Revamped ID management experience by developing a web-based utility using PHP that enables users to securely store and manage important documents and identification.
- Implemented an innovative QR code authentication system to facilitate secure sharing of profiles.
- Contributed to the open-source community by making the project open-source.
- Designed the UI/UX for the application to create an intuitive and user-friendly interface.

Results App [↗](#)

Berhampur university results checker app.

- Built using Kotlin, a modern programming language for Android development.
- Adapts to the Berhampur University results page for seamless integration.
- Provides two ways to access results: in-app result checking and PDF downloading for offline viewing.

Skills

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| • Android Development | • Java |
| • Kotlin | • C / C++ |
| • Python | • React |
| • VCS (Github, Gitlab and BitBucket) | • MySQL |
| • Bash Scripting | • DevOps (Jenkins, Gerrit) |