

GREESHMA G

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Summary

Experienced Test Engineer with over 5 years of dedicated expertise. Proven ability to execute test plans, identify defects, and ensure high-quality releases. Strong analytical skills and a keen eye for detail, with a track record of collaborating effectively with Clients to enhance product quality. I am committed to continuous learning and innovation, and I am excited to contribute my knowledge and experience to help shape the future success of my employer.

Skills

- Manual and Automation Testing
- Debugging
- Post-Silicon Validation, Preliminary test failure analysis & Bug reporting
- Functionality testing, Regression testing, Smoke testing, System testing and Sanity testing.
- Processors: X86
- Log collection and analysis
- Board bring-up/Configuring test set-up.
- Power measurement using NIDAQ
- BIOS/UEFI
- SDLC, STLC & Agile methodologies
- Python
- Operating Systems: Windows, Linux, Android

Experience

Member of Technical Staff
Miraфра Technology Pvt Ltd

11/2024 to Present

Hyderabad

- Conducting comprehensive testing (functional, regression, and performance) for audio streaming and playback features in IoT applications.
- Performing manual and automated testing in Android/Linux based IoT devices, ensuring seamless audio quality and connectivity
- Identifying, diagnosing and reporting software bugs, working closely with development teams to resolve issues efficiently.
- Utilizing Android/Linux debugging tools and logs (e.g., Logcat, dmesg) to identify and resolve issues affecting audio performance and device connectivity.

Product Engineer
Harman Connected Services

11/2023 to 10/2024

Bengaluru

- Conducted thorough audio debugging by capturing and analyzing various logs, including system and application-specific logs. Engaged with clients to facilitate debugging activities and conducted experiments to identify and resolve audio-related issues.
- Experience with audio driver level implementation and deriving use cases
- Identified, documented, and tracked bugs through their lifecycle, ensuring timely resolution and effective analysis. Conducted regression tests across different systems to verify and pinpoint root causes.
- Collaborated with various audio endpoints such as speakers, headsets, and Bluetooth devices to assess and validate audio functionalities, playback, and recording features.
- Applied familiarity with speech recognition applications to ensure accurate performance and integration with various systems.
- Experience in power measurements for platform components using NI DAQ
- Tested compatibility of hardware drivers with different OS builds and configurations.
- Validated functionalities across multimedia domains, including graphics, audio, and display.
- Develop, document, and execute comprehensive test cases based on product requirements and specifications.
- Measured system performance using various benchmarking tools to assess efficiency and stability. Tested and verified video codecs and assessed performance across different display types and properties.
- Configured and set up customer reference platforms for validation purposes, including integrating system-on-chip (SOC) components and operating systems.

- Validating graphics and media functionalities, including decode, encode, transcode, and video processing on various platforms through manual and automated methods.
- Collaborating with clients and debugging teams to develop execution plans, test cases, and debug activities.
- Creating media content using open-source framework like FFMPEG
- Experience in automation testing for media related activities like encode, decode, transcode scenarios using python scripts
- Executing operational assessments on Linux platforms.
- Experience in Lauterbach debugging tools to facilitate power and performance debugging.
- Collecting diagnostic data and logs for debugging purposes using relevant software tools (JTAG, Lauterbach Trace32)
- Tracking issues using issue-tracking software like JIRA.
- Effectively communicate test progress, findings, and any critical issue to Clients
- Co-ordinate team activities, set project priorities, and ensure deadlines are met
- Participating in hardware bring-up activities.

Validation Engineer
UST GLOBAL

06/2019 to 09/2021
Bengaluru

- Understanding the requirements provided by the Client and functionality of the system
- Performing manual regression, functional and sanity testing
- Validating software platforms on customer hardware from various major manufacturers like HP, Dell, Lenovo, Microsoft.
- Working with cross-functional teams, including Clients and product managers, to ensure effective testing processes and timely product delivery.
- Track and report quality bugs using a bug tracking system, ensuring timely resolution and retesting
- Validating functionalities in power management, graphics, multimedia, audio, Bluetooth, storage, and human input domains.
- Led post-silicon validation efforts for a high-performance platform, managing Windows power and performance execution, triage, and debugging, resulting in a successful product launch.
- Utilized Intel SocWatch/ PHM for system-related debugging and analysis.
- Lead a team of 5 engineers in planning, executing and managing the test execution
- Running automated, long-duration tests and verifying logs using specialized software.
- Validating power management scenarios, battery cycles, and system power states.
- Executing test cases in different display modes.
- Provided valuable insights and recommendations for improving power efficiency and system performance based on data analysis and benchmark results
- Validating different audio end-point functionalities.
- Verifying touch panel and touchpad functionalities using dedicated tools.
- Assessing system performance using benchmarking tools.
- Preparing technical documentation for future reference.

Achievements

- Bugs filed got promoted to the customer side.
- Identified a showstopper bug during PV stage
- Achieved appreciation as "The Best Newcomer" in the year 2019.
- Awarded "Habit Flagbearer - Being Responsive award" in the year 2022

Certifications

- Diploma in Testing and Benchmarking

Education

Bachelor of Technology (BTech): Electrical and Electronics Engineering
Sree Buddha College of Engineering, Alappuzha