

GANESH RAJU NANDI

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Aspiring to secure a challenging role in the corporate sector where I can leverage my skills and work collaboratively with a team to drive organizational success through commitment and hard work.

CAREER SUMMARY

- Has 2.5 Years of Work Experience in **Automotive Infotainment, Embedded Systems, and Android development.**
- Good in Developing **Embedded Applications, Android System HAL and Service.**
- Good in Developing **Middleware development.**
- Proficiency in Working with developing application using **C, C++.**
- Good Understanding in **OOPS** concepts.
- Having Good knowledge on **CAN, UART, SPI and I2C** Protocols.

KEY SKILLS

- Programming & Development:** Embedded C++, Android Development, Linux, SELinux, Python, Data Structure, Design Patterns, CAN, UART, I2C, SPI.
- Tools & Platforms:** Jira, Gerrit, Git, TML, BITS-RF.
- Testing & Optimization:** Unit Testing, Debugging, Performance Optimization.
- Operating Systems:** Linux, Windows and RTOS.
- IDE's:** Visual Studios Code, Eclipse.
- Soft Skills:** Team Collaboration, Problem Solving.

PROFESSIONAL EXPERIENCE

Senior Software Engineer @ Bosch Global Software Technologies Jan 2024 - Present

- Mentored 2+ junior developers, improving team efficiency and knowledge sharing.
- Delivered scalable applications within agile frameworks, meeting 100% of project deadlines.
- Managed multiple projects simultaneously while maintaining strict deadlines and high-quality standards.
- Collaborated with cross-functional teams to design innovative solutions for automotive infotainment systems.
- Improved client satisfaction by promptly addressing feedback and delivering requested enhancements.

Software Engineer @ Bosch Global Software Technologies Jul 2023 - Jan 2024

- Enhanced software functionality by resolving over 50+ critical issues, reducing downtime by 15%.
- Integrated advanced technologies, boosting system capabilities and improving performance by 20%.
- Developed reusable components that reduced development time across 3 major projects.
- Implemented debugging strategies that minimized software defects, increasing reliability by 30%.

Associate Software Engineer @ Bosch Global Software Technologies Aug 2022 - Jul 2023

- Contributed to high-quality software solutions, collaborating with teams on 5+ projects.
- Enhanced application performance by optimizing algorithms, achieving a 25% speed improvement.
- Designed and delivered comprehensive training materials, enabling seamless end-user adoption.

PROJECTS

- **Digital TV (AASP project):** Enhanced user experience by developing HAL and service components for seamless TV channel selection and quality viewing, including features like auto preset and channel seek up/down.
- **Profile Manager:** Worked on a middleware component to handle user profile operations such as switch, copy, delete, create, set name/image, and import image, coordinating with Datapool and registered clients, supporting both DBUS and CCA services.
- **Zone Detect:** Implemented middleware to detect geographical zones using GNSS data, and managed country codes through VDSensor and WBL services for location-based functionality.
- **Tuner (POC):** Developed a POC to establish I2C communication between RPI4 and TEA5767 board under the AOSP framework, ensuring successful tuning functionalities.
- **SNM** (Suggestion and Notification Manager), **VDM** (Video Manager): Improved suggestion delivery, notification management, and video playback functionalities by resolving critical bugs and optimizing system performance.

EDUCATION

Bachelor of Engineering: Electronics and Communication

Aug 2018 – Jun 2022

Dayananda Sagar College of Engineering, Bengaluru.

Pre-University Collage(PUC): PCMB

Jun 2016 – Apr 2018

Sir M Visvesvaraya, Davanagere.

Secondary School Leaving Certificate(SSLC)

Jun 2015 - Mar 2016

Akshara Vidya Nikethana High School, Chikkajajur.

ADDITIONAL INFORMATION

- **Courses:** C, C++, Object oriented programs, Data Structures, Python, Design Patterns, Unit-Testing, Android Development(AOSP).
- **Languages known:** Fluent in Kannada, Telugu, and Hindi; Proficient in English.

DECLARATION

I hereby declare that the above written particulars are true to the best of my knowledge and brief.

Date :

Place:

(Ganesh Raju Nandi)