

ROHIT KUMAR

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CAREER OBJECTIVE

“Looking at new opportunities to leverage my knowledge and affluent experience in an esteemed organization along with mutual prospects of growth, in order to utilize its resources efficiently to attain professional goals”

PROFESSIONAL SUMMARY

- A very enthusiastic and proactive IT professional with around **10.5 years** of **total experience** in the areas of Application and Software Development.
- Currently Working as a **Technical Specialist** in **BOSCH, Bangalore** in **Automotive Infotainment domain**.
- Experience across various industries such as Automotive Infotainment and Car Multimedia domains.
- Experience in **Analysis of Data, Implementation** and **Development** using C++ on Linux based system.
- Skilled in Problem solving, handling customer issues, bug fixing and debugging of system based applications.
- Curious to learn and work on new technology.
- Ability to handle cross-functional and onsite teams- worked with teams in Japan.

Core Competencies

Skills	Details
Programming Languages	C, C++, Embedded C++, Shell Scripting
OS/RTOS	Windows, Unix/Linux
Framework	Gmock, gtest, oma (Open mobile alliance)(FUMO, SCOMO)
IDEs	Eclipse, Vi Editor, Source Insight
Tools	Enterprise Architect, git, Gerrit, Jenkins, Lcov, Coverity, Salesforce, JIRA, IBM Rational(RTC Eclipse), Code Collaborator, Mimosa, K2L Viewer, SMITE
Interface	DBus, ASF, DM protocol
Communication Protocols	MOST,CAN,IPC ,TCP/IP, UDP, SSL, FTP, DM protocol

WORK EXPERIENCE

BOSCH,

Bangalore Project

Details:

FOTA Projects (Redbend and AIVI2 Step2.5 Gen4 platform)– Jan,2021- till date,
(Technical Specialist)

- Porting of Redbend(SWMC) code independently for all projects.
- Analysis and tracking of Redbend related issues. Discussion with Redbend(Harman) team to resolve the issues ASAP.
- FOTA feature responsibility
- Enablement of Nissan specific features
- Requirement traceability for Nissan latest FOTA spec.
- Validation of complete FOTA features w.r.t Nissan latest FOTA spec.
- Visited Japan for Joint Check in Nissan R&D Center.

DM Server and DM client

- The product is based on firmware update in OMA-dm based IVI devices and the behavior associated with

the processing of management objects. The specification provides an interface between client and server to support firmware update.

- Understanding on OMA-dm protocol.
- Design and implementation based on IVI requirement.
- Hardware and software implementation on OMA-dm protocol.

FOTA Projects (AIVI2 Gen4 platform) – Jan,2019- Dec 2020 BOSCH, (Senior Software Engineer)

- Understanding of requirement analysis from customer
- FOTA feature responsibility
- Handling project feature development and CRQ's.
- Bug analysis and resolving issues.
- Ownership and commitment in completing the assigned tasks on time.
- Unit Test using GMock Test Framework and Coverity.
- Visited Japan for Joint Check in Nissan R&D Center.

FOTA Projects (Gen3 and Gen4 platform) – July,2017- Dec,2018 BOSCH, (Software Engineer)

- FOTA (Firmware Over The Air) refers to ability to remotely update one or more firmware or software components in the vehicle. As the amount of software in automobiles grows, so too does the need to effectively manage that software asset. The telecom industry has a proven solution for remotely updating software on mobile devices. The technology is called Firmware Over-the-Air (FOTA) updating. All major mobile phone manufacturers and tier one operators have adopted FOTA successfully, performing more than 100 million updates per year with the benefit of providing new features and performance improvements, reducing customer care costs, avoiding product recalls, and increasing consumer satisfaction.
- Design and implementation of requirement from Renault and Nissan customers.
- On-site support for NISSAN, RENAULT customer

WIPRO TECHNOLOGY, BANGALORE –DEC 2012- June 2017 Project Engineer

Project Details:

Project 1:

Development of SDARS (Satellite Digital Audio Radio Services) module in RDS (Radio Digital Systems):

SDARS (Satellite Digital Audio Radio Service) is a radio service broadcast from satellite primarily to cars with the signal broadcast nationwide across a much wider geographical area than terrestrial radio stations. It is available by subscription and offers subscribers more stations and a wider variety of programming options than terrestrial radio. It is used in North America specifically USA, Mexico and Canada.

- During project design phase, created design sequences and feature to UseCase mapping for features of SDARS Application in EA tool.
- Developed the Application for various SDARS features.
- Analysis and defect fixing for issues during unit test, complete software test and sanity test.
- Performed SMITE tool testing for SXM certification.

Project 2:

Development of System Adaption Layer (SAL)

SAL (System Adaption Layer) is the sandwiched layer between HMI and various Applications such as Receiver, Audio,

Networking, System Services and so on. It acts as a communication link between them.

- During project design phase, created sequences and feature to UseCase mapping for various modules.
- Developed the Business logic for various modules.

Project 3:

NetAct Customization

The project dealt with customization of Network Data by developing a combination of adapters and parsers. NetAct is an integrated OSS/BSS that provides comprehensive management for all communications networks, including the most complex multi-vendor, multi-technology ones. Through NetAct the customers can customize their data and store it in the most comfortable manner for reports and analysis.

- Maintenance and support for FCAPS, but worked on FM and PM.
- Mapping of the Trap names and MIB availability required by the Client.
- Analysis of Data and Making changes based on the functionality required.
- Bug analysis, fixing and enhancement of the functionality.

Project 4:

Espresso-Tele-O&M

Espresso is an African telecommunications services company. It provides telecommunication services in five African markets: Mauritania, Senegal, Guinea, Ghana and Nigeria. Espresso offers a wide range of products and services to meet the needs of customers. It offers pre-paid and post-paid data and voice services over CDMA and GSM technologies.

- Generating Reports based on the Schedule by using scripts.
- Monitoring the system and alerting.
- Generating Bills for the prepaid account customers.
- Process execution for online discount eligible customers.
- Incident Management and weekly maintenance activities.

EDUCATION QUALIFICATIONS

BACHELOR OF ENGINEERING (ELECTRONICS & COMMUNICATION), 2012

JSS Academy of Technical Education, Bangalore, VTU, 78.50%

INTERMEDIATE (PCM), 2006

DAV Public School, Patna, CBSE, 61%

MATRICULATION (Common Subjects), 2004

Baldwin Academy, Patna, CBSE, 81.6%

PERSONAL DOSSIER

- **Date OF Birth** : 2nd October 1989
 - **Current Location** : Bangalore
 - **Home Town** : Patna, Bihar
 - **Languages** : English, Hindi
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