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KARMVEER KUMAR

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OBJECTIVE

To achieve excellence, working as a Software Professional, offering solutions to business using the best available technology and putting in the best of my analytical and programming abilities.

PROFESSIONAL SUMMARY

- Having 8+ year of experience in Application & Core Navigation analysis, design and development using C, C++ and Android.
- Currently working as a Sr. Engineer II (Automotive) at Harman International India Pvt Ltd.
- Worked as an onsite developer & coordinator in Harman China, Korea & Bosch Hildesheim Germany.
- Expertise in developing applications using C, C++ and SQLite.
- Experience in client interaction with gathering business and functional requirements.
- Comprehensive problem-solving abilities.
- Comprehensive mathematical approach to tackle a problem.
- An efficient team worker.
- Strong Data Structure (DS) for software design and implementation.
- Strong Object-Oriented concepts for software design and implementation.
- Good knowledge on OOAD'S and UML.
- Rich exposure to System Development Life Cycle (SDLC).
- Adaptable to different situations with willingness to learn new things.
- An effective leader, skilled in enlisting the support of all team members in aligning with organizational goals.
- Strong interpersonal and communication skills.
- Exposure to CMMI level 5 processes.
- Self-motivated, results-oriented and passionate about customer success.

EMPLOYMENT

Senior Engineer	Harman International	March 2019 – Present

Navigation System (Traffic Information).
- Implementing new generation core navigation system using C/C++ adoptable for all platform.
- Strong Data Structure and design patterns used to implement the algorithm for core navigation.
- Implementing functional and business requirement as per client request.

Senior Engineer	Robert Bosch	June 2015 – Feb 2019

Navigation System (Location Input/Poi Server).
- Implementing new generation core navigation system using C/C++ adoptable for all platform.
- Strong Data Structure and design patterns used to implement the algorithm for core navigation.
- Implementing functional and business requirement as per client request.

Software Engineer	Quest Global	Sept 2014 – May 2015

- Implemented Labeling Tool for ADAS (Advanced Driver Assistance Systems) for JARI (Japanese Automotive Research Institute), Japan.
- Implemented In-Vehicle Infotainment Systems Controller (IVI Controller) for Consumer Electronics Show – 2015 (USA).

Software Engineer	People Tech Group	Oct 2012 – Aug 2014

- Implemented In-Vehicle Infotainment Systems POC using android for GM.
- Design and Development of the IVI screens for Media, Settings, Seat Status, Climate, Park Assistance, Navigation, Safety System and OnStar.
- Event Handling & Transition of the screen.

EDUCATION

Bhopal MP India   **Rgpv Bhopal**   **June 2007 – June 2011**
- BE in Computer Science & Engineering. In-major percentage: 76.6
- Graduate Coursework: Software Foundations; Computer Architecture; Algorithms; Artificial Intelligence; Comparison of Learning Algorithms; Computational Theory; Operating Systems; Databases; Programming Languages; Comp. Architecture; Engineering Entrepreneurship; Calculus III.

TECHNICAL EXPERIENCE

Projects
- **Core Navigation**. Hire end car in automotive sector using this navigation for new gen people.   C++, DataStructure, Design Pattern, Git, Gerrit, Jira, PlantUml, Jenkins, unit testing, Google test framework, Regression Test (MST, QST), Framework, SQLite, Debugging, Code Review, Mentoring.
- **Labeling Tool**. In support of Advance driver assistant system. C++, Qt.
- **IVI Controller**. Used to control IVI System. C, Android.
- **Visual Editor**. Input as Xml and output as HTML and user can edit as per choice of widget. C++, Html, Css, JavaScript, Xml, jQuery.
- **Operating System**. UNIX-style OS with scheduler, file system, text editor and calculator. C

ADDITIONAL EXPERIENCE AND AWARDS

- **Second Prize, Chess Competition:** Awarded 2nd prize out of 100 participants.
- **Certification**: IT Security & Ethical Hacking.

LANGUAGES & TECHNOLOGIES

- C++; C; Android; SQL; JavaScript; Windows; XSLT; XML (XSD) Schema; Html; jQuery;
- Visual Studio; Eclipse; Git; Gerrit; PlantUml; ClearCase; AptanaStudio; Jenkins;PerForce;