**PUSHKAR KAMALKISHOR BAHETI**

**E-mail: bahetipushkar30@gmail.com Mobile Number: 7020580987**

**Career Objective:**

To continuously enhance my knowledge and skills by getting involved in challenging work environment and utilize them for the growth of organization which will ultimately reflect in my personal and professional growth.

**Profile:**

4+ years of experience as a Senior Automotive Engineer with strong logical and analytical skills.

1. 4.6 years of experience on C++11, C++14 in Automotive Industry. (Autosar, Infotainment).
2. P.G. Diploma in Automotive Electronics from Coventry University (UK).
3. Active member of SAE India and AutoSAR consortium for ZF group.

**Technical Skills:**

* **Programming languages**: C++, C, Embedded C, QT, Swift, Java, Python, MySQL, Lua, Obj-C.
* **Operating Systems**: Linux (Ubuntu), Windows, QNX, Apex ROS, MacOS
* **Tools/IDE’s:**

1. Eclipse (C++), Da-Vinci Adaptive tool suite, Visual Studio, QT-Creator, QML rendering.
2. Android Studio, VScode, Anaconda Navigator, MATLAB, Simulink, ProCV, Pre-Vision.
3. EA, Sybase, GTest, POPULUS, ALTIA (for rapid HMI(Human Machine Interface) design, development and deployment), QT-QML, OpenGL, SQL, GIMP, Adobe Photoshop
4. Azure, Code beamer, CONAN, CAPL, CMAKE, GIT, JIRA, SVN, Jenkins, Bitbucket, neoVI.
5. ARM, x86, IPC, SOMEIP, UART, Ethernet, LIN, CANSUKE, CANoe, CAN-FD, Cygwin, FileZilla, SDLC, Rhapsody, YOCTO, YAKINDU, ISO-26262, DLT Viewer, Paco, Redmine.

**Projects Worked on:**

**1) Adaptive Software Oriented Architecture: (February 2021 – Ongoing) [ ZF-TCI ]**

**Responsibilities:**

1. Adaptive Autosar development for several SW clusters as per ASPICE compliance.

2. Development of Modules like UCM, Diagnostics, PHM, Crypto, COM, OTA, MCAL.

3. Integration and Deployment of SW clusters on Linux, QNX and ROS platform.

4. Analyzed requirements from Autosar SWS, RS, TR aligned with ASIL-B safety level.

5. Build SWF platform of vehicle ECU integrated POSIX and standard API (MISRA-C).

6. Design and Development of OTA Client features in ACC Application, which acts as a facilitator to provide necessary updatable SW packages to UCM using both IPC and SOME/IP.

**Environment:** Da-Vinci ATS, POSIX, Linux, EA, RTOS, Bootloader, Cybersecurity, QNX, ROS.

**2) MIB-3 HUD Development** (**August 2019** **– January 2021**)  **[ KPIT, Technology ]**

**Responsibilities:**

1. Defining AUTOSAR architecture for CAN and LIN stack considering the reuse of existing RTE stack for OS Task monitoring with design document.
2. Implementation of ISO26262 compliant AUTOSAR LIN driver
3. Team Collaboration for design, implementation, configuration, integration and testing along with development process and standards with respect to AUTOSAR and ASPICE compliance and ASIL safety levels.

**Environment:** Eclipse, Linux, Design Pattern, QT, STL, OOAD, Data Structure, Git, Jenkins.

**3) Automotive Infotainment Development (April 2018 – July 2019) [ KPIT, Technology ]**

**Responsibilities:**

1. Analyze logs, bug fixing, test the fix on Head Unit/Cluster.
2. HMI asset development for IVI system for interactive user interface.
3. Troubleshooting production environment, product development, documentation and building customer relationship.
4. Co-ordinate with team to work in groups as well as independently with minimal supervision. Offered successful delivery of modules.

**Environment:** Eclipse, Linux, Multithreading, STL, Socket, OOPS Concepts, Git, SVN.

**4) Academic Projects:**

**Project:** E-Pic Gallery

**Area:** Android, Oracle SQL, Java, iOS, Database (RDBMS).

**Project:** Speech Signal Processingfor Recognizing Human’s Emotion

**Area:** Embedded C, C++, MATLAB, SVM Model.

**Educational Qualifications:**

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| --- | --- | --- | --- | --- | --- |
| **Examination** | **Institute** | **Board/**  **University** | **Year of passing** | **Marks**  **(%)** | **Grade** |
| PG-DMC | ACTS Pune | CDAC | 2018 | 61 | First Class |
| B.E.(ENTC) | VPKBIET, Baramati | Savitribai Phule  Pune University | 2017 | 70.53 | Distinction |
| H.S.C | RJCS, Shevgaon | Pune  Divisional Board | 2013 | 75 | Distinction |
| S.S.C | DVMH, Sangamner. | Pune  Divisional Board | 2011 | 86.60 | Distinction |

**Personal Details:**

**Date of Birth** : 30th January 1996

**Gender** : Male

**Languages known** : English ,Hindi, Marathi, Marwari

**Hobbies** :Exploring Nature, Playing Cricket, Chess, Bike riding.

**Address :** Ward no : 6, Hanuman Nagar, Shevgaon, Ahmednagar- 414502

**Date:**   **Pushkar Kamalkishor Baheti**