

Parshwanath Mirji

Email Id: parshwanath1998@gmail.com

Phone No: +91-7022075806

Objective:

Aspiring a challenging position in a progressive organization that gives me scope to explore and enhance my knowledge, skills and contribute to the development of the organization.

Experience Summary:

- 3+ Years of prolific hands-on experience in Embedded Software Development.
- Having rich & insightful experience in C, C++, Data structures, Modern C++ features.
- Have good hands-on experience in DEOS(RTOS) and WINDOWS.
- Usage of Configuration Tools such DOORS, RM/QM, Git, SourceTree, Bitbucket, Jira, debugging tools, Testing tools etc.
- Have good hands-on experience in Physical board bring up, setting of Lab benches to test the software.

Professional Experience:

Honeywell Technology Solutions Pvt Ltd, Bangalore (Currently Working from 21/03/2022 onwards) as **Embedded Engineer**.

Skills:

- Programming Languages : C, C++, Data structures, Embedded C/C++
- Operating System : DEOS(RTOS), Windows
- Source Control Management : DOORS, RM/QM, Git, SourceTree, Bitbucket, Jira, debugging tools, Testing tools, etc.
- Protocols : CAN, UDS, DOIP, I2C, SPI, and UART.

Keynotes:

- a) Good knowledge of **Object-Oriented Concepts** like Object, Class, Abstraction, Encapsulation, Inheritance & Polymorphism in **C++**.
- b) Good experience of working with Dynamic Memory, Constructor, Destructor, Default constructor, Copy Constructor, Constructor Overloading, Friend functions, Friend Class, Operator Overloading File handling, Error Handling, Exceptions Handling in **C++**.
- c) Good Knowledge of pointer, union, function, decision control, preprocessor directive, dynamic memory allocation in Programming **C**
- d) Good Knowledge of **Modern C++ features like STL, templates**.
- e) Incredibly intellectual talent to understand the **Complex** and **Ambitious** program.
- f) Good experience of providing elegant and sophisticated **bug free** solution as per requirement within the allocated time.
- g) Quick learners with extraordinary stainless desire to master new technology in **embedded** domain.

- h) Knowledge of **GIT, DOORS, Bitbucket, SourceTree**, etc.
- i) Design and Implementation of **Middleware features** like, Fault logging, Event logging, Custom logging.
- j) Design and Implementation of core features like In Air warm and cold start handling in the software.
- k) Development and implementation of **High-Level Requirements to Low Level Requirements** and Low-Level Requirements into Code as per DO-178B and DO-178C Standards and ensuring the behavior is in line with the requirements through Scenario Based Testing
- l) Good exposure to **Agile Practices**
- m) **Debugging** code (Static and Runtime) on different platforms.
- n) Expert in performing Rapid Problem Solving (**RPS**) and Root Cause Analysis (**RCA**) to identify the root causes for the faults or the problems that cause the operating events.
- o) Incredible team player with hard working, herculean, energetic, self-starter, result oriented, commendable, excellent communicational skill and interpersonal dexterity.

Projects Performed

Functionality Name	: Next Generation Avionics Platform, Honeywell Anthem
Client	: Honeywell Inc, Phoenix, U.S.A.
Software Environment	: DEOS (RTOS), Windows OS
Programming Languages	: C, C++
Tools and Environment tools, debugging tools	: Agile, CLM, JIRA, Bit Bucket, Source Tree, Doors NG, Static Analysis
Duration or the Project	: March-2022 to Present

Description: A Platform for Honeywell Anthem that provides the hardware and software required to support applications for a Next Generation avionics system. It adds greater flexibility and portability for the application development, reuse, third Party application hosting and the reduced re-certification cost.

Role & Responsibilities:

- Design and Implementation of Middleware features like, Fault logging, Event logging, Custom logging.
- Design and Implementation of core features like warm start, cold start,
- Testing and debugging of software in different hardware types.
- Good understanding on Next generation Avionics architecture.
- Prototype, full feature Designs, Code development, delta updates, code issue fixes and Reviews for framework layer
- Involved in Estimation and Planning of feature.
- Software Design Document creation
- Requirement updates and Reviews
- Formal reviews of development life cycle artifacts
- Debugging preliminary Software on Target Hardware

-
- Bench Setup
 - Unit Testing
 - Agile Practice
 - Integration Testing
 - Mentoring

Awards:

- Business English Certification (B2 level). (2018)
- Secured 2nd place in “Aero young aviator program” in workplace.
- (2023) Received Bronze awards for proficiency in workplace. (2024)

Educational Qualification:

B.E in Electronics and communication Engineering from Gogte institute of Technology (7.9 CGPA)

Personal Details:

- Date of Birth : 18-09-1998.
- Nationality : Indian
- Passport : Available.
- PAN : Available.

Date:

Place:

Signature