Email | Print

Arti Sharma ⭐ Featured

Senior Engineer seeking roles in Software Development,software design,software features,Software implementation,Configuration Management,Requirement Gathering,Quality Management,functionality testing ,Application Support,Service Delivery

Current Designation: Software Engineer

Current Company: Honeywell Technology Solutions Lab Pvt Ltd

Current Location: Bengaluru / Bangalore

Pref. Location: Bengaluru / Bangalore,Delhi / NCR,Mumbai

Functional Area: IT Software - Application Programming / Maintenance

Role: Team Lead/Tech Lead

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Total Experience: 10 Year(s) 0 Month(s)

Notice Period: 2 Months

Highest Degree: PG Diploma [Computers]

Key Skills: Senior Engineer,Team lead/ Tech Lead, Software Development,software design,software features,Software implementation,Configuration Management,Requirement Gathering,Quality Management,functionality testing ,Application Support,Service Delivery

Verified : 📞 **Phone Number** | Email - id

Last Active: 20-Jan-21   Last Modified: 20-Jan-21

Jump to Section ▸ Work Experience | Education | IT Skills |

Summary

Seeking a position in an innovative & challenging employment that will utilize my experience, skills and offer opportunities for learning and advancement.

Work Experience

Honeywell Technology Solutions Labs as Snr Engineer
Sep 2010 to Oct 2013

Project: FMS for various Boeing (B787, MD90) & Airbus (A320, A340, A350) programs. Worked for Airbus and Boeing programs as a Senior Engineer (Worked on projects A350 XWB and B777X, B787) for DBAM (Database Access Manager) team in FMS. DBAM functional area is responsible for the management and access of data contained in Navigational database (Data for airports, runways, Arrival & departure procedures, waypoints, etc.), AMI Database (Aircraft Modifiable information), OPC Database (Operational Programmable Configuration data) and Magvar Database. Flex navigation database format is used referring ARINC 424 ARINC standards. Responsibilities: I joined as a Software engineer for Airbus, Boeing programs DBAM (Database Access Manager. Worked on FMS 'Flight Management System' for Airbus (Projects: A320, A340, A350) and Boeing DBAM (Database Access Manager) team to provide data (Navigational data, Airline modifiable data, Operational configuration data, MagVar data, Custom data) through well-defined interface with validity and range checks and some computations. Responsible for bug fixing, reviews, requirement writing, code development, pre-integ and post-integ checkouts in lab, writing SCRs (Software Change Request) that are observed during any software development phase. I was A&O (Analysis & Observation) focal for validation and verification team's queries with responsibility of getting the queries resolved with minimum turnaround time. Helping them with testing and scenarios for some corner cases With 9+ years of experience in Aerospace domain on the product FMS. FMS (Flight Management System) is a line replacement unit on an aircraft, it helps pilot create flight plan, optimizes the flight plan for operating costs and aids the flight guidance computers guide and navigate the entire flight plan. Complex software of FMS is broken into manageable units called functional areas. Senior Engineer (Jan 2018 till present): Project: FMS for BRGA (Business and Regional Aviation) I am working on BRGA (Business and Regional Aviation) Core integrated product development team. BRGA segment includes aircraft programs: PC12, PC24, Agusta, Dassault, G450, MH139 etc. Core integrated team is responsible for all functional areas features development and maintenance of FMS system. I am working mainly for Database, Flight Plan and IO(Input/Output) functional area's software development. Database functional area: Responsible for access and management of the data contained in navigational database (NavDB: e.g. data for airports, runways, airways, waypoints, departure and arrival procedures, etc.). ARINC 424 standards are used to define data in the NavDB, with min/max limits defined, software ensures the correct use of memory allocation. Protection code is in place to handle errors like retrieval unsuccessful, data invalid, which prevents software to behave abnormally. Flight Plan Functional Area: Responsible for creation of flight plan by taking inputs (Origin, Destination) from user and querying database for Navigational data. It takes care of leg melding for different types of waypoints. Flight plan also takes care of amending, modifying, deleting the route. IO (Input Output) Functional area: IO is responsible for FMS interaction with outside world, like other LRUs (Line replacement units), ATC/AOC/FANS uplinks/downlinks. Any data which goes out or comes in FMS is through IO using Avionics Standard Communications Bus (ASCB). IO also maintains ESCAPE registries of the APM, which

contains configuration data associated with the aircraft. Scope of the project: The scope of the project involves defining requirements based on the customer inputs as well as a proposal of a new feature to a customer, defining software design, developing code and performing functionality testing in Honeywell test environment. Objective of the project:
Arti Sharma
Arti Sharma 1
To maintain and develop application code to

- **Honeywell Technology Solutions Lab Pvt Ltd** as Software Engineer
  Sep 2010 to Till Date

Education

UG: **B.Tech/B.E. (Other Engineering)** from **Electronics & Communication** in **2009**

PG: **PG Diploma (Computers)** from **Centre for Development of Advanced Computing (CDAC), Bangalore** in **2010**

IT Skills

Skill Name	Version	Last Used	Experience
C, C++, Data Structures,			
Design Patterns			
REAL Time Operating system			
OS (Linux).			
MSDEV, CM21, ITEG, SVN, PVCS,			
Quicksilver, CC/CQ,			
vim editor, DOORS, HSS			

Affirmative Action

Category: **General**

Physically Challenged: **No**

Work Authorization

Job Type: **Permanent**

Employment Status: **Full time**