

Embedded Software Developer & Architect Embedded Software Developer & Architect Embedded Software Developer & Architect Cedar Rapids, IA Energetic and result oriented professional with 3 years of experience in IT industry as Embedded Software Engineer; Extensive expertise in Embedded Systems, Software Design & Development, Verification & Validation, Programming, Debugging, and Analysis; Adept in Processes and Standards; Hands-on skills at playing multiple roles and ability to relate to people at different levels; Emphasis on delivering Effective Business Solutions; Highly ethical, trustworthy and discreet. Work Experience Embedded Software Developer & Architect SANDS Instrumentation Pvt.Ltd 2006 to 2008 Project Title: CMRI (Common Meter Reading Instrument) Key Deliverables: Understanding the system requirements and customer specifications. Develop High level Design and low-level requirements. Developed C coding as per standards. Debugged and Solved power supply problem in CMRI and Resolved Hanging CMRI issue. Ensure coding compliance as outlined in the Design and system Requirements. Participate in the reviews of the requirements and Code. Description: Downloading reading from Meter to CMRI connected through serial port and stored in an permanent memory. We can re-display the readings from memory. Embedded Software Developer & Architect GE Infoserve Pvt Ltd 2005 to 2006 Project Title: STS (Solar Tracking System) Key Deliverables: Developed C coding as per the Design Requirements. Tool used Cygwin and GCC complier. Debug the code using C50 debugger. Ensure coding compliance as per coding standards. Installed in customer place and tracked the functionality of the system Description: Tracking the movement of the sun to utilize maximum solar energy in the application where is used as a source. Education Communications systems Anna University 2013 B.E. in Electronics and Communications Madras University - Chennai, Tamil Nadu 2005 Skills C/c++, C++, Coding, Embedded c, Python Certifications/Licenses Certified ScrumMaster (CSM) August 2019 to August 2021 certification in python programming April 2018 to Present Additional Information CORE COMPETENCIES ? Proficiency in Embedded C, C++ ? Experience in MATLAB/Simulink. ? Communication Protocols - RS232, CAN. ? Development Environments -Understand C/C++, Keil C, Ride ? Debugging - C50 Debugger and Wireshark. ? Change & Configuration Management - DOORS. ? Thorough

knowledge in SDLC - Waterfall method. ? Good Understanding of Python Scripting. ? Good Understanding in Agile methodology. ? Knowledge of DO178B ? Experience in Microprocessor, Microcontroller ? Software Development tool - JIRA CARRIER HIGHLIGHTS ? Managed software system configuration projects through all phases of project life cycle including analysis, design, development, testing, implementation and quality project deliverable. ? Develop High level and low-level requirements, Develop code as per the coding standards. ? Python Programming for Beginners Certification. ? Expertise in C and Embedded programming.

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