

KISHOR DHANORE

Embedded Software Developer

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PROFESSIONAL SUMMARY

Dynamic Embedded Software Developer with 3+ years of experience in automotive and aerospace embedded systems. Proficient in Embedded C/C++, RTOS, and communication protocols CAN, SPI, I2C, UART, ARINC-429. Specializes in firmware development, software integration, and real-time embedded systems. Proven track record of delivering high-quality software, improving system reliability, and optimizing performance.

SKILLS

Technical Skills

- **Programming Languages:** C, Embedded C, C++, Python (Basic)
- **Communication Protocols:** I2C, UART, SPI, CAN, ARINC-429
- **Operating Systems:** Linux, Windows, RTOS
- **Microcontrollers:** PIC, ARM-7, ARM Cortex-R, ARM Cortex-M
- **Tools:** IBM DOORS, Atlassian JIRA, Git/Bitbucket, Sourcetree, Keil IDE, STM32cubeMX, MPLAB IDE, MS Visual Studio, Proteus
- **Development Methodologies:** SDLC (V-Model), Agile

Professional Strengths

- Collaboration with cross-functional teams
- Quality assurance with attention to detail
- Mentoring interns and junior engineers
- Time management

Knowledge Purview

- Embedded Software Development
- Troubleshooting
- Debugging
- Coding
- Unit Testing

WORK EXPERIENCE

Omegasoft Technologies, Embedded Software Developer

Dec 2023 – Present
Pune, India

- Developed Embedded C code for Battery Management System (BMS) functionalities, including data acquisition and passive cell balancing, based on software requirements.
- Implemented communication protocols SPI and CAN to interface with ECUs and battery packs.
- Collaborated with hardware engineers to integrate firmware with hardware components.
- Designed temperature control mechanisms using sensors and ADCs to prevent overheating and low-temperature conditions.

Honeywell Technology Solutions (HTS), Embedded Software Engineer

Sep 2021 – Jul 2023
Bangalore, India

- Developed embedded software in C/C++ for aircraft communication systems, optimizing signal processing for the KTR2280B radio.
- Authored Software Requirements & Design Documents in IBM DOORS, ensuring compliance with DO-178C aviation standards.
- Improved code reliability by 30% through static code analysis and MISRA-C:2012 compliance.
- Led requirements analysis, code reviews, and system verification, reducing defects by 20% and enhancing software quality.

- Integrated I2C & SPI communication protocols, enhancing system performance and connectivity.

EDUCATION

PG Diploma in Advanced Embedded Systems

Vector India Institute

2020

Chennai, Tamil Nadu

B.E. in Electronics & Telecommunication Engineering

JSPM's Imperial College of Engineering and Research

2019

Pune, Maharashtra

Diploma in Electronics & Telecommunication Engineering

R. R. K. Polytechnic

2015

Akola, Maharashtra

ACHIEVEMENTS AND AWARDS

- **Timely Delivery Excellence** – Honeywell Technology Solutions (2023) Consistently delivered project milestones on time, ensuring high client satisfaction.
- **Sponsored Project Award** – E.K. Electronics Pvt Ltd, Pune (2019) Recognized for innovation and technical expertise in electronics project development.

OTHER RELEVANT INFORMATION

- **Certification:** Time Management & Personality Development – ASPIRE IHD
- **Languages:** English, Hindi, Marathi (Read/Write/Speak)
- **Relocation:** Open to relocation