

Aspiring Lead Engineer with a focus on software development in the IT industry, targeting to leverage technical expertise and innovative problem-solving skills to contribute effectively to a dynamic organization in Chennai or Hyderabad.

CONTACT

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CORE COMPETENCIES

- Software Development Life Cycle
- Agile Methodologies
- Quality Assurance Processes
- Back-end Development
- Technical Documentation
- Project Management Principles
- Client Relationship Management
- Code Optimization Techniques
- API Development and Integration
- Troubleshooting and Debugging

TECHNICAL SKILLS

- **Programming:** C, Embedded C
- **Microcontrollers:** PIC, LH79520(ARM7)
- **Communication Protocol:** UART, SPI and I2C
- **Tools:** AXD, MPLAB IDE, Code Warrior, Digi Net, Parasoft C++ and SVN
- **Other Tool:** Hex Neo editor, Clear Quest, ALM, TcU

EDUCATION

- Bachelor of Technology in Electrical and Electronics Engineering, VBIT, 2018
- Diploma in in Electrical and Electronics Engineering, SBTET, Govt Polytechnic College, 2015
- X, Secondary School Certificate, Sarojini High School, 2011

CERTIFICATIONS

📖 An Introduction to Programming the Internet Of Things (IOT)

AWARDS & ACHIEVEMENTS

🏆 Got SPOT Award for exceptional performance, Received Champion Award, 2023 and 2024

PERSONAL DETAILS

- Address: Chennai, India
- Languages Known: English, Hindi, Telugu
- Date of Birth: 19 May 1996

SHAIK DADA KALANDAR

Lead Engineer (Developer)

PROFILE SUMMARY

- Offering nearly 3.5 years of extensive experience in **software development**, focusing on C programming within the IT industry, which has cultivated a solid understanding of engineering principles and best practices.
- Currently working as a Lead Engineer (Developer) at **HCL Technologies** since October 2021, tasked with converting intricate technical specifications into operational code while maintaining a commitment to delivering high-quality software solutions.
- Developed a skill set encompassing software development life cycle methodologies, agile practices, and quality assurance processes, enhancing both individual and team performance.
- Displayed effective leadership skills by guiding new team members, creating a supportive atmosphere that promotes knowledge exchange and facilitates professional development.
- Exhibited expertise in creating technical documentation, guaranteeing that project specifications and development processes are clear and precise, thereby enhancing overall project communication.

WORK EXPERIENCE

Oct'2021 to Present: Lead Engineer (Developer) at HCL Technologies, Chennai

Key Result Areas:

- Engaging in the translation of intricate technical requirements into efficient code, ensuring alignment with project specifications and client expectations.
- Spearheading the development of the Core Module, enhancing the functionality and performance of embedded software code.
- Implementing innovative features based on customer feedback, thereby driving user satisfaction and product relevance in a competitive market.
- Pinpointing and rectifying bottlenecks and bugs in the system, utilizing analytical skills to formulate effective solutions that significantly improve software reliability.
- Leading initiatives to uphold software development practices that comply with organizational standards for detailed design, coding, and functional testing.
- Collaborating with cross-functional teams to design and implement security protocols for server interfaces, significantly enhancing data protection measures.

PROJECTS UNDERTAKEN

Enhancement and developing software for the Spectrum Large Volume Pump versions V6, V8 & V9

- Developed embedded C code to enhance features and functionality of medical infusion pump software.
- Developed advanced algorithms for ultrasonic sensors to accurately detect upstream occlusion detection with precise timing.
- Leveraging relevant techniques and methodologies to enhance the model's accuracy and robustness, contributing to innovative solutions in the field.
- Performed hardware and software integration to debug and optimize code functionality
- Designed and implemented a novel algorithm for early-stage battery stability assessment in production, enabling software-based differentiation between new and used batteries.
- Developed new test scripts to validate newly implemented code and ensure robustness through boundary condition testing.
- Verified assertions in test scripts to ensure the code reaches intended functions and updates values accurately.
- Conducted developer-level testing to validate new functionalities after code implementation.
- Utilized SVN tool to update code changes and maintain repository versioning for tracking modifications.
- Utilized Coverity Static Analysis tool to identify unreachable code, dead code, and defects, ensuring code quality and reliability.