ABHIJIT NATHWANI

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PROFESSIONAL SUMMARY

4 years of experience developing embedded systems, coordinating with software, hardware, and firmware engineers. Demonstrated excellence while delivering customer projects to meet business goals and performance needs. Experience in developing IoT products for varied use-cases. Looking for an exciting opportunity in the embedded domain that would utilize and enhance my skills.

SKILLS

- C. C++, Python, Shell Scripting Programming experience.
- Experience in developing solutions around microprocessor, microcontroller architectures
- Experience with development on Linux platform
- Experience with software debugging tools like GDB, Valgrind, etc.
- Experience with version control systems like Git, SVN.
- Experience with build systems like Yocto, CMake, and Makefiles
- Experience with communication protocols such as SPI, I2C, UART, MQTT, RS485, etc.
- Experience integrating and creating REST APIs
- Experience working in an Agile environment.

WORK EXPERIENCE

Embedded Engineer
eInfochips Ltd. | July 2017 - present

- Collaborated with software, firmware, and hardware engineers to develop complete embedded solutions.
- Embedded system development in C/C++, FreeRTOS, Shell Scripting.
- Developed IoT solutions for Smart Buildings, Smart Homes with popular cloud service providers such as Azure IoT and AWS IoT.
- Recent Project: Asset Tracking System
  - Developed an asset tracking system with BLE Beacons. NFC tags and GPS trackers.
  - My role: Prepare firmware for BLE Beacons and GPS trackers, Linux gateways with Azure IoT communication, Design cloud architecture for data flow.
- Active involvement in client communication and project documentation.

EDUCATIONAL QUALIFICATIONS

Masters in Technology (Embedded Systems)
BITS Pilani, WILP | Nov 2018 - Dec 2020

- Relevant Courses: Embedded Systems Design, Software for embedded systems, Real Time Systems, Project Management

Bachelors in Engineering(Electronics & Comm.)
Gujarat Technological University | 2013 - 2017