

Bhargav Mehta

Software Developer

Agile, result oriented professional with over 6.6 yrs of experience in design and development of embedded firmware. Seeking to work in a professional organization to enhance my technical knowledge and evolving with the race of the present development era.



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Bengaluru, India



09 December, 1991

SKILLS

C

Embedded C

32-bit Microcontrollers

ARM Cortex - M

Git

JIRA

SVN

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Gujarati

Native or Bilingual Proficiency

INTERESTS

Football

Dancing

Cricket

Formula 1

Singing

Philosophy

Travelling

WORK EXPERIENCE

Module Lead - Software Design

Mistral Solutions Pvt Ltd

11/2014 - Present

Bengaluru

Tasks

- Involved in different ARM Cortex - M based architecture product software development
- Successfully completed onsite project at Microchip India for harmony v3 design and development over 2 yrs
- Trained team members for Git based version control tools like Gerrit, Bitbucket
- Received Pat on the Back(Best Performer) Award
- Received Pride Pack(Best Team) Award

PROJECTS

MPLAB Harmony 3 Framework Design & Development

- Development of PLIB for UART, SPI, I2C, TC, WDT, PORT modules
- Generic NVIC support for all CORTEX - M devices
- Python and FTL development and integration with PLIB API's for harmony framework
- Design generic Driver(CORE) to PLIB(CSP) communication across all devices

Grasshopper power management

- Migration of nRF sdk from 14.2 to 17.0
- Add power management feature for nRF and DW1000 modules
- Maintaining build setup and source repos

TI AM437x SBC BSP for CORE-ACE board

- Customizing the pdk to support specific interfaces of AM437x
- Integration of interfaces such as UART, GPIO, I2C, Timers
- Restructured pdk setup to be integrated with customer source setup

Duet Sleeve For Iphone 6/6S

- Implemented work flow between processor & MSP430
- Implemented MSP430 firmware in Embedded C using Code Composer Studio
- Implemented i2c driver, power bank feature, led, battery charger

Custom SDK for Mistral Nano Som (IMX6 processor) and production test setup

- Created automated sdk for testing features of board at production time with support of Interface test, Stress test, EMI_EMMC Compliance test
- Reduced boot time of original sdk(30 sec) in new sdk to (12 sec)
- Implemented Bluetooth passcode feature for secure pairing

EDUCATION

Bachelor in Electronics and Communication Engineering

Gujarat Technological University

08/2009 - 06/2013

7.31 CGPA

HSC

G.S.H.S.E.B

06/2007 - 05/2009

82.60 %

SSC

G.S.H.S.E.B

06/2006 - 05/2007

81.69 %