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Status: Tier 2 Working Visa
Need Sponsorship Visa

PROFILE

- ❖ To obtain a creative and challenging position in an organization that gives me an opportunity for self-improvement and leadership in the field of Software Developer.

- ❖ I am passionate about new technology, I have gained Knowledge from my work experience by doing different projects and work each stages of product development, that including requirements, definition, design, architecture, testing, coding.

- ❖ Also, I gained Management experience that includes coordination, managing, motivating, and guiding to teams that's helped me personally in broadening and boosting my skills.

Certification Course

- Internet of Things.
- C, C++, Java, Python, Android.
- Amazon Web Service (Pursing in AWS Certified Solutions Architect -Associate)
- Web Developer
- Diploma in Software Testing.
- MSc Embedded System Design.
- Agile, Scrum, Project Management.

TECHNICAL SKILLS

- Experience of six years in Designing and Developing with IOT device products.
- Experience of integrating electronic device with Android app using wireless technology like Bluetooth, Ethernet, Zigbee, WI-FI and control the device with App.
- Experience on working with PHP, MySQL database and AWS service less technology like API gateway and lambda function with Android App.
- Experience on working with AWS Service like SNS,Route52,EC2 instance,S3 bucket with Android App.
- Practical knowledge in working with ReactiveX application using RxJava and RxAndroid also library like Dagger, Retrofit and Picasso.
- Practical knowledge in Android design pattern such as MVVP.
- Experience on working with Android testing using Junit4, Mockito and TDD.
- Experience on working with Google Spreadsheet with Android App.
- Experience of working Firmware designing coding.
- Experience of Creating Architecture for AWS.
- Experience of project management.
- Experience on working tool like Kiel, Eclipse, E2 Studio, Visual Studio, MATLAB, LPC-2148, dev c++, Anaconda (python).
- Basic Knowledge of operating system like Windows, Linux Kernel
- Superior knowledge of electronic test equipment such as a voltmeter, oscilloscope, spectrum analyzers, waveform generators, etc.
- Experience on working with git and GitHub repository.

- Knowledge using lab equipment: Multi-meter, oscilloscope, power supply, waveform generator, spectrum analyzer, frequency counter, audio analyzers

WORK EXPERIENCE:

- ### *Aluminium lighting Company*
  - **Software Engineer IOT.**   **Jan 2018 to Present**
    Crouser Industrial Estate, Eastern Ave, Cymer, Port Talbot SA13 3PB, UK,

    Project Name: Intellectual Structure Monitor (IOT)

    - Working in a team, developing product based on Internet of things.
    - Designed and implemented firmware for the live data monitoring system, which sends data to the AWS Cloud and web portal by using Embedded C.
    - Designed firmware testing of project using C++.
    - Designed and Implemented MY SQL database in AWS for live data readings.
    - Implemented AWS architecture for Analysing data by using different service like EC2, S3 Bucket, CloudFront, IAM, Lambda function, MATLAB.
    - Design and developed Android App for communication with AWS using Service less technique from AWS like Cognito, lambda function, API gateway etc.
    - Design and developed second Android App that is used to upload the firmware code to device using Bluetooth technology.
    - Designed function testing of Android ap using C++.
    - Create test plan and test case as well as software code document using Doxygen.
    - Design various Flow Chart and Algorithm for designing Coding.

    - **Skill Sets Developed:**

    - Android- Google Map, AWS SDK, Database Connection, Bluetooth,AWS.
    - Software - Java, SQL Query, PHP, Python, Node js, Json. FreeRtos, Contiki, I2C, UART, Basic Integration,
    - Protocol- HTTP, TCP, MQTT.
    - Tools: Eclipse (For STM32), STM32 Cubic, Android Studio, Microsoft SQL Server Management 2017.
    - Hardwar- STM32, Accelerometer, Gyroscope, Magnetometer, GSM Modem, RF-amplifier.

- ### *Cymtec Limited*
  - **Software Developer. (Internship)**   **May 2017 to Dec2017**
    Ystrad Mynach, Hengoed CF82 7FN, Wales, UK.

    Project: Laser2000

    - Work in a team, developed product based on Medical equipment for treatment of Cancer tissue.
    - Design and Developed firmware for device using Arduino Coding.
    - Developed web-based portal for controlling device functionality using C# and XAML.

    - **Skill Sets Developed:**

    - Hardware- Arduino board (ATMEGA2560), Laser Sensor ,Focal Lenses.
    - Tool -Arduino IDE, Visual Studio Community2017.

- *Collabra tech*
- Junior Software Developer IOT   June 2016 to Sep 2016
  Pune, India

  Project: Temperature Monitor

➢ Work in a team, which design product based on Internet of Things.
➢ Design and Updated firmware of product that is used to communicate device with cloud and send the real time data into cloud.
➢ I work on Arduino board and then on the cloud database to monitor the device.

➢ Skill Sets Developed:
▪ Hardware – Arduino Board (AtMega2560), Relay, Driver, Ethernet.
▪ Software – Arduino C language.

- *SSI, Training Institution*
- Training Instructor (Part-Time Job)   Aug 2014 to May2016
  Aurangabad, India

➢ Work as a training Instructor to teach the Student different programming languages.
➢ It was good experience and lot of skills I had developed after the end of my job.

➢ Skill Sets Developed:
▪ Language Like - C, C++, JAVA and Web Developer App.

- *MIT Project Developer Group, Aurangabad, India.*

- Software Developer IOT.   Dec 2014 to April 2016
  (Product develop for my university which is given by my professor as per the university requirement).

  Project: Web server base attendance with Android application controlling.

➢ Work as a team leader of project to design Attendance base system for the University.
➢ Design planogram for each member of team on day to day basis task.
➢ Create Flow chart and Algorithm for the project.
➢ Design and developed firmware for the product using Arduino board.
➢ Design and developed Web Portal database that shows attendance marked Students.
➢ Design and developed Android App that used to connect with database.

❖ This project was given by the university for us and we had created good demo version.

  Project: Home automation controlling by a Android application.

➢ Work as a team leader of project to design home appliance using android app.
➢ Design and developed hardware and software of project by using Arduino board.
➢ Developed Android app for controlling purpose using Ethernet board.
➢ App was used to control Lighting, fan and displaying room temperature and humidity.

➢ Skill Sets Developed:
▪ Hardwar- Arduino, Fingerprint Scanner, GSM Modem.
▪ Software – Embedded C, PHP, HTML, SQL, Java, Database Connection.
▪ Protocol- HTTP, TCP, MQTT.
▪ Tools: Arduino IDE, Android Studio.

EDUCATION & QUALIFICATIONS

❖ **MSc Embedded System Design:**

University of South Wales, UK (2016-2017)   Grade: - 2:1

Project: Smart ECG health measurement Device Using Android Application.

➢ Design and developed Smart Medical device that is used to take reading of device and send Live readings into the cloud for analysing purpose.
➢ Design and developed the hardware and software of a device.
➢ Developed the Android App to display the reading of device.
➢ Design the web portal where Doctor's can monitor the patient's heartbeat reading and analysis it and provide right prescription for the patient.
➢ Design the system in such way that data can be access any place in world.

❖ **Bachelor`s degree Electronic and Communication Engineering:**

Marathwada Institution of Technology, INDIA (2012-2016)   Grade: - 2:1

Project: Automatic telescope controls with the Android Application.

➢ Design and developed Telescope monitor device that is used to controlled by the Android phone and Senses the direction of the Star and Moon.
➢ The direction is put manually then the signal sent to the telescope by using the Bluetooth then telescope moves automatically.
➢ About my Role: We were in a group of three students in that I was the software developer and planner. I had designed the code in the Arduino, java and used a platform like visual studio, MATLAB.
➢ At the end of the term, the project was successful run and this application can be used for making telescope toys.

➢ **Skill Sets Developed:**
▪ Hardwar- Arduino, Bluetooth model, Motor, driver. Renesas Synergy Board Sk-S7G2, Wi-Fi model, ECG Sensor.
▪ Software – Embedded C, RTOS, Java.
▪ Tools: Arduino IDE, Android Studio. Visual Studio, Renesas IOT Sandbox.

INTERESTS

▪ Playing chess , cricket.
▪ Cooking.

REFERENCE

Supplied on request