Bikash Narayan Panda

Being a developer I have around 5+ years of hands on experience in IOT, Smart Micro Grid & Embedded System Integration and Implementation. Technology always fascinates me and making my home smart is one of my primary hobbies. I also post blog/make videos on IoT and Embedded System.

9439421905 | oksbwn@gmail.com | weargenius | in/oksbwn | oksbwn063 | Bangalore, INDIA

ITC InfoTech, Bengaluru, Karnataka
Associate IT Consultant, *Apr-2019- Now*
Working on backend side in Thingworx. IoT device integration with Thingworx and backend management that includes Servers and other tools.

Element14 INDIA Pvt. Ltd. , Bengaluru, Karnataka
Application Engineer, *Jan-2018- Mar-2019*
Content/Article on various technologies for Element14 Community Website and forthings.io website. It also involves designing projects including Embedded System and IOT to demonstrate the application of different categories of products

NIST Technology Consulting Services, Berhampur, Odisha
Embedded System Developer, *Jul- 2014-Dec-2017*
Responsible to design and develop IOT based products. Worked on projects starting from survey to commissioning.

National Institute of Science and Technology
M. Tech, Electronics and Communication, 2012-2014, CGPA: 8.68
Active member on industrial research projects. Guided graduate students in their projects.

- *2 IEEE Conference Publications on IOT and Smartgrid*

PKA College of Engineering
B. Tech, Electronics and Telecommunication, 2007-2011, CGPA: 7.32

Asset Advisor assetadvisor.keysight.com
Keysight Technologies Limited

The project is all about a Thingworx based solution where in the devices (T&M Instruments) send data to the cloud where the data is used to analyze utilization of the device to properly plan purchase decisions.

30Kw Smart Nano Grid smartnanogrid.net/SmartVillageNanogrid/
OREDA, Odisha and Wärtsilä India Private Limited

A smart Nano Grid comprising of 30 Kw solar power plant and providing supply to 115 homes in Chotkei Village, Odisha. The smart grid is equipped with completely autonomous stem to make it hassle-free to operate. The grid is connected to internet by using a Satellite internet connection. The smart grid features automatic billing, smart scheduling, overload detection and many safety features.

1st prize in Smart Village Category, Smart City EXPO 2016, India

Online Process Monitoring System nanosoftremote.com
Pointec Pens Pvt. Ltd.

A control system designed to communicate with PLC using MODBUS over RS-485 to fetch data and logging them to cloud server. The aggregated data helps to do analytics of the production, raw material usage, employee work hours, machine condition etc.

WeArGenius: A blog where I publish all my spare time activities with electronics ad my home automation system.

SBCFinder: A website or kind of database for all type of Single Board Computers. It lets user compare SBCs one to one. With almost 150+ SBCs to compare and 510K hits

Area of Interest

IoT, Smart Grid, Smart City, Home Automation

Skills

PTC ThingWorx, Javascript, JAVA, C, C++, IoT, Content Creation

Protocols

I2C, SPI, UART, MODBUS, AT Command Sets, TCP/IP Using mbed, Rs-485, BLE, MQTT, REST, LoRa, JSON RPC

Familiar With

Android, HTML, PHP, CSS, JavaScript, MySQL, SQLite, PostgresSQL,Solr, Shell Scripting

Software Tools

Eclipse, Android Studio, Arduino, AVR Studio, MBED, OpenHAB (Home Automation), Thingspeak, TTN, Cadsoft Eagle, Grafana, Node-RED

Hardware Platforms

LPC1768, LPC2148, Arduino, Beagle bone black, Raspberry Pi, MBED, BBC Micro: Bit, Sonoff Dev. Board, Onion Omega, Linkit Smart 7688, ESP32

Software Platforms

Thingworx, AWS IoT, ThingWorx Analytics

Detailed Profile

https://bikashnpanda.github.io