

Annim Banerjee

Bangalore | +91 9739221449 | pixma38@gmail.com | <https://github.com/pixma>

3 years' work experience, Firmware Developer, Experienced Multilayered-High Speed PCB Designer, a full stack web developer, desktop application developer.

- Embedded C: Communication Protocols, Peripherals Drivers...
- Bluetooth LE – Nordic Chipset: NRF51822, NRF52, RF-NRF24LXX
- MASM, C, C++, VC++, Win32 API, DWM, MFC, C#, Managed and Unmanaged DLL
- FreeRTOS, Contiki, Linux, IoT Protocols: MQTT
- Full Stack Web Developer – LAMP Stack, Linux VPS handling
- Analyzer tools for protocol testing, debugging purpose
- PCB Designing – EagleCad, Altium, 2, 4, 6 Layers.
- HMVC, HTML, CSS, Codeigniter, JQuery, PHP, Python, Django, DRF, MongoDB
- Beginner Windows, Linux and Android Device Drivers Developer in C Language

PROFESSIONAL PROFILE

Thinqbot Technologies Pvt. Ltd. – <http://thinqbot.com/>

Firmware Developer Consultant: July 22nd 2015, Lead Firmware Developer February 1st 2016 - June 2016

- Develop the Home Automation product line on Bluetooth Low Energy on NRF51822 Chip.
- PCB Designing for the same product line.
- Lead a small team comprises of Firmware Engineers and PCB designers.

BeWo Technologies Pvt. Ltd., Bangalore. - <http://www.bewotechno.com>

Firmware Developer: June 29th 2015 – January 31st 2016

- **Driven** single handedly, developed firmware for various POS (Point of Sale) related peripherals on FreeRTOS like **Thermal Printer, Magnetic Swipe Cards, Finger Print Scanner, Battery Status, SAM Card, Smart Card...**
- Documenting the code with **DOxygen**, maintaining present and previous code repository, and to incorporate if any feature change request comes up.

Baseapp Systems Pvt. Ltd., New Delhi. - <http://www.baseapp.com>

Embedded Developer - March 2014 – May 2015

- Write custom firmware on board for various family members of **Atmel, STM8, RPI, BBB.**
- **To design PCB** with Cadsoft's EagleCad, 2 Layer, 4 Layer, USB, Ethernet like high speed PCB Design, Altium Designer, Design Spark PCB, Circuit Maker.
- Providing **hardware and circuit solutions** according to hardware requirements.
- **Mix Domain, also written code for Windows Application using C#** programming language.
- Web Development, **Developed REST API**, developed web end points for accessing and pushing real time data.
- Developing **Android apps** which requires to complete the product, especially on Smart Bluetooth.
- **To work Alone on Smart Bluetooth/ Low Energy Bluetooth**, with Nordic's chip sets and writing firmware on top of it.

Yuktix Technology Pvt. Ltd. - <http://www.yuktix.com>

Embedded Engineer (Intern): October 2013 – January 2014

- **Hands on open source hardware platforms like Arduino, Discovery from STM, RPI, etc.**
- Hands on **PCB designing** with Cadsoft's EagleCad.
- Hands on programming with assembly and C for arduino and 8051.
- Providing hardware and **circuit solutions** to hardware requirements.
- **Doing research works.**

ACADEMIC PROFILE

- Computer Science and Engineering – 2013 – Chhattisgarh Swami Vivekananda Technical University
- IT- Mathematics + Science – Intermediates; CBSE: 2009 – B.S.P Senior Secondary School Sector – VII, Durg.
- IT- Mathematics – 10th; CBSE: 2007 - B.S.P Senior Secondary School Sector – VII, Durg.

Resume: Annim Banerjee