

SAJIN GEORGE

EDUCATION Master of Science – Electrical engineering (Major in Computer engineering)
Rochester Institute of Technology (NY, USA)

Bachelor of Engineering – Electronics and Communication
Karunya University (Coimbatore, India)

PROFESSIONAL EXPERIENCE

Sr. Software Engineer(Firmware) – BeON Home Feb 2014 – Present

- Lead engineer for Connected BLE mesh connected lights
- Product conceptualization to market transfer
- Hardware(Electrical) and Software(Embedded) system design
- Rapid prototyping of IoT products using AWS-IoT and MQTT
- Working with cross functional teams on accelerated development cycle

Sr. Software Engineer– Osram Sylvania (MA, USA) Mar 2014 – Feb 2014

- Firmware/Embedded Engineer at Osram Sylvania, Corporate Technology team.
- Research and Development advanced sensors and automation solutions
- BLE/ Zigbee mesh networking and IoT security
- Rapid prototyping and conceptualization

Engineer I–Emulex Corporation (MA, USA) Jun 2013 – Mar 2014

- Automated overnight driver testing harness (Python/Perl) design
- Linux upstream (kernel.org, Redhat, SLES, Oracle) patch submission for SCSI-LPFC driver (C/C++)
- Fiber Channel/ FCOE protocol analyzing and debugging
- Linux driver Development and high speed fiber optic network card testing

Graduate Research Assistant/Fellow - Innovation Center RIT (NY, USA) Aug 2011 – Jun 2013

- Power Line Communication research and Embedded Linux development
- Product design and testing for CausBuzz, Latch, Green2Green, Grid-Potential and StrongArm
- PCB prototyping and Wireless sensor networks for Iot applications

Engineer I–Think Labs at IIT Bombay (Mumbai, India) May 2010 – May 2011

- Robotics systems and automation systems development
- Microcontroller and Real-time systems trainer
- Freelance board designer

PROGRAMMING AND HARDWARE SKILLS

Languages: C, C++, Python, HTML5, CSS, PHP, Java, Perl, VHDL, Verilog, Node Js

Electrical: Orcad, Eagle, PSPICE

Microcontrollers: PIC, ARM A/Cortex, ATMEGA, ZYNQ, STM, LPC, PSOC 4-5, Raspberry Pi, Arduino

RTOSs: RTX, Android, QNX, uCosII

IoT: AWS (IoT), Particle cloud, Pub-Sub services, IoT integrations with IFTTT, NEST, Wemo etc.

PUBLICATIONS

Power Line Communication using ZED BOARD – Presented at IEEE Rochester, Annual technical review

Hardware implementation of chaotic dynamics based algorithm – Proc.SPIE 8655, Image Processing: Algorithms and Systems XI, 86550C (Feb19, 2013); doi: 10.1117/12.2001152

Embedded Development tools – American Society for Engineering Education, Annual Conference 2015. Paper ID #6576