

Santhosh Ramaiah

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Summary:

Proficient in - Embedded IoT/Control System Solutions - Full Stack Web Development - Mobile App Development.

EXPERIENCE

STERIS Corporation, Melville, New York. *2y, 6m** *Mar 2015 - present*
Software Engineer, Surgical Solutions, Full Time

- Develop Integration solutions for Operating Rooms and Simulation Centers.
- Programming and deployment of new Crestron, C# and Ruby based control systems.
- Top level support of existing products and systems.
- Develop Software Libraries used in the control of third party devices.

Louisiana Transportation Research Center, LA. *1y, 9m* *Apr 2013- Dec 2014*
Hardware and Software Engineer (Embedded/Audio/Video) *

*Sponsored for Master's program as Graduate Research Assistant at LSU.

- Programming in Crestron Control System (C++/RTOS/Motorola Coldfire Processor).
- Developing Device Drivers for hardware to interface with Crestron Control System.
- Interconnecting devices using protocols like I2C, SPI, RS232, and Ethernet(TCP/IP).
- Configuring Video Conferencing Equipment (Cisco, Polycom, and MCUs).
- Computer and Network Administration.

SKILLS

Code : C/C++, C#, Ruby, Java, Swift, VHDL/Verilog, Python, ASM, CUDA, Bash.
Backend : Ruby - Sinatra, Postgres (SQL), PostGIS, Redis, MongoDB(NoSQL).
Frontend : HTML, CSS, JavaScript, Angular Framework.
Mobile : Android App Development, iOS App Development.
Embedded : PIC & ARM Microcontroller family, Xilinx FPGA, NI Compact RIO.
Network : CCENT Certified, TCP/IP, Wireshark.

EDUCATION

Louisiana State University, Baton Rouge, LA – USA. *Jan 2013 – Dec 2014*

- MS in Electrical Engineering (Concentration in Computer Engineering).

SJB Institute of Technology, Bangalore, KA – India. *Aug 2008 – Jul 2012*

- Bachelor of Engineering in Electronics and Communication Engineering.