SIDDHARTH GOEL

Email: siddharth98391@gmail.com **Mobile**: +65-90140408
LinkedIn: http://www.linkedin.com/in/siddharthgoel
Github: https://github.com/siddharthgoel88

EDUCATION

National University of Singapore   Graduating in Dec 2014

Masters of Computing, Major in Computer Science

Current CAP: (**4.03/5.00**)

B.M.S. College of Engineering   2007 - 2011

Bachelors of Engineering, Major in Information Science & Engineering

WORK EXPERIENCE

Paypal Inc., Singapore   Currently

Software Intern

- Will be working on the ongoing projects of Paypal on Java stack.

Samsung Research India, Bangalore   Jan 2012 – Jul 2013

Software Engineer

- Went HQ South Korea to port FPGA driver for *Samsung Galaxy Note 3*.
- Did the Kernel BSP work for different Samsung boards running on Android.
- Worked on Qualcomm chipsets on Samsung boards (Smartphone/tablets).
- Acquired working knowledge of Linux Kernel internals, device drivers, build system and kernel debugging.

Aricent Group , Gurgaon   Oct 2011 – Dec 2011

Software Trainee

- Got training in C language, Operating System and Networks.

PROJECTS

- **Distributed Maze Game** - Maze game was a team project comprising of a total of two members including me. In project, we developed a multiplayer game in which the players try to collect the treasures spread over the maze. We developed it in both client-server and peer-to-peer fashions. It gave me deep insight to the non-trivial concepts of fault-tolerance, game state consistency, clock synchronisation, etc. We used Java with RMI for the development of the game. (Source: https://github.com/siddharthgoel88/maze-game-p2p)
- **Web Security** - Learned, implemented and exploited about most of the present web vulnerabilities like XSS, CSRF, EAR and many such dangerous vulnerabilities in the

web domain.
(Source: https://github.com/siddharthgoel88/web-security)

- **Stack inspection of Google Chrome V8 Engine** – Built a tool which helped to inspect the stack of javascript code through V8, perform an analysis of code and report if the code had some vulnerabilities like CSRF, JS DOS attack, cookie stealing through javascript, etc.
- **Samsung Galaxy Note 3 driver for FPGA** - This project was among one of the major activities of software development of Samsung's flagship models in Samsung Electronics, South Korea (HQ). I was given the responsibility to write the driver for FPGA module of Samsung's flagship devices like Galaxy Note 3 smartphone and tablet. It gave me an opportunity to understand protocols like I2C and SPI. Working closely with the hardware vendor of FPGA and application developer using the interfaces exposed by this driver, gave me an insight of the complete software of my respective module.
- **Board Bringup of various Android devices** - I was responsible for the board bring-up of Samsung devices with variants of Qualcomm chipset like MSM7x27, MSM8064, MSM8x26.

SKILLS

Type	Name
Programming Skills	Java, C, Python, HTML, JavaScript, PHP
SCM	Git, Perforce
Operating System	Linux (Ubuntu), Mac OSX, Windows (XP, Vista, 7)
Editor/IDE	Vim, Eclipse
Device/Boards	ARM based board (Worked on Qualcomm chipsets)
Linux Tools	Proficient in Linux command line tools

ACTIVITIES AND AWARDS

- *Mastercab Labs Innovation* workshop winner.
- Participate in the activities conducted by *NUS-Hackers* group.
- Spot Award for my kernel bringup work of multiple devices at *Samsung Research India*.
- **Technix**   Jul.2009 – Dec. 2009
  Co-ordinator of technical team (Tech Team) of BMSCE(undergraduate).
- **Greenpeace**   Feb. 2012 – Jul. 2013
  Member of Greenpeace which is an NGO working for environmental issues.
- Represented my college at regional level in *TechBytes 2010* conducted by TCS.

ADDITIONAL INFORMATION

Launguage : English, Hindi