Ravikumar Jeyaraman

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Objective: To secure summer internship where I can use my technical skills to work on real world products.

Education:

University of Southern California
Master of Science, Computer Science — May 2015

PSG College of Technology
Bachelor of Technology, Information Technology — May 2010
GPA :3.8 /4.0

Technical skills:

Programming Languages: C, C++, Java, HTML, JavaScript, JQuery, Perl, PHP
Area of Interest: Networks, System programming and Object oriented approach
Operating Systems: Unix(Solaris), Linux(Ubuntu,Redhat), Windows.

Professional Experience:

Motorola Solutions, August 2010 - June 2013
Software Engineer**,** Bangalore

- Designed and developed PCRF (Policy Charging and Rules Function) simulator used for QoS testing. Languages Used: C++.
- Developed Push to Email feature, for sending voice alerts to user's email. Languages Used: C++.
- Developed network element simulator, which became prominent tool in OMC(Operator Maintenance Console) testing. Languages Used: C++ , Java.
- Implemented Dispatch from Facebook, a prototype that is being considered now by Motorola Solutions. Languages used Java ,C++
- Implemented 3G Simulator used for iGW (iDEN Gateway) testing .iGW acts as interface between iDEN protocol and SIP protocol. Languages Used: C++.
- Took initiative to develop internal tools like Lab monitoring tool, Longevity test monitoring tool to automate mundane tasks that were quickly adopted by other developers.
- Implemented Multiple iDEN Gateway ,a scalable solution for ident Gateway to increase its capacity.
- Awarded with 'Moment' award for my performance at Motorola in 2012-2013.

Wavesat, January 2010- May 2010
Software Intern**,** Bangalore

- Implemented Graphical User Interface and Command Line Interface for configuring 4G LTE customer premises equipment .

USC Project Experience: September 2013-Present

- Working with Professor Ethan Katz-Bassett on understanding the performance impact of Google's expansion. Instrumented Phantomjs to look for IP at specified file before performing a actual DNS lookup.With this DNS interference we were able to use this instrumented phantomjs to measure page loading time.

- Developing a web based mobile application for searching tweets based on location. Used PHP , JavaScript and Jquery.