Prabhanjan Sosale Muralidhara

1023, East University Drive, apt 201,
Tempe, AZ 85281, USA

Email: psmurali@asu.edu
Phone: (480) 819-8401
LinkedIn: linkedin.com/in/prabhanjan2906

Education:

Masters of Science	May 2017 (Expected)
Software Engineering	GPA: 3.33/4
Arizona State University	

Bachelor of Engineering	September 2007 – June 2011
Information science and Engineering	GPA: 8.05/10
Nitte Meenakshi Institute of Technology	

Languages and Technologies:

- **Website:** http://prabhanjan2906.github.io

- **Languages Known:** C, C++, Python, Java, php, Shell/perl scripting, javascript, Node.js

- **Protocol Knowledge:** SIP, HTTP

- **Platforms:** Linux, Windows

- **Technologies:** Hadoop, Linux System programming, VOIP

- **Github:** https://github.com/prabhanjan2906

Professional Experience:

Senior Software Engineer, *Samsung R&D Institute,* Bangalore, India   March 2014 – July 2015
*IP Multimedia Subsys*tem (A-IMS)

- Using design patterns, designed and developed conference call and instant messaging features for samsung modem.

- Analysed risks and reduced them by analysing the dependencies and introducing test cases.

Software Engineer, *Motorola Solutions Inc,* Bangalore, India   Jan 2012 – Jan 2014
Motorola Push-To-Talk

- Implemented registration and confirmed group call feature as per the ISSI standards. Recieved the "Hi-Five" award for the same.

- Implemented a CPU hogg tool, that maintains the overall CPU load and load at each individual core at 50%, for load testing purpose.

- Worked on porting of the Legacy 32 bit gateway to 64 bit ATCA platform. Compiled the source code using the cross compiler and updated existing code to be compatible with 64 bit architecture and configured sockets to decrease the number of calls dropped.

- Implemented taking of recovery actions upon detection of fault and to trigger an alarm to the maintainance console.

Intern, *Motorola Solutions Inc,* Bangalore, India   September 2011 – January 2012
Motorola Push-To-Talk

- Developed scripts to automate calls to test the call handler using Motorola's proprietary automation test framework. Incorporated fixes for the bugs in the said framework. Recieved "Hi-Five" award for the volunatary contribution.

- Mentored and monitored peers and served as a point of contact for technical assistance and ensured the team kept up with the pace.

Academic Projects:

Agile learning through continuous assessment   December 2015

- Implemented a Node.js based authentication system for students to create profile and login.

- Used MySQL as the database to store the profile information of each student.

- Designed the front end using CSS.

Sentiment Analysis   Fall 2015

- Using SenticNet devised an intelligent recommendation to the user about a product brand by analysing the sentiments of the reviews posted by the users on a e-commerce website, such as amazon.com.

- Developed visualizations using D3.js depicting the sentiment scores of each brands over the period of time and ratings of each brand based on sentiment scores on a scale of 5.

Agile TweetViz   Fall 2015

- Developed visualizations of the tweets using a smalltalk based visualization engine called roassal.

- Applied Agile methodology to develop the visualizations.

Power Aware Distributed Filesystem   Spring 2011

- Proposed an idea to reduce the total amount of power that is consumes while placing the data blocks in the nodes of heterogeneous cluster.

- Used linear programming to minimise power consumption while concording to pseudorandom block placement strategy of hadoop.