**Brief**

This is Russel Nickson.

I am a 21 year old lad from India with a great programming passion.

I am currently pursuing my masters in College of Engineering, Anna University, Chennai. I am from computer science background. I have a great interest for anything which relates to technology. I have had my experience of programming across different platforms which include Android, python, PHP, Java, Javascript, C, C++, to discover that my ultimate interest lie with web-technology.

That’s when I started my startup, webdefy, to do innovative designs and web-development for client requirements. Since then I have been working on web projects balancing my time between college and work. But, I have never got a chance to contribute to open source community. Now that I see an opportunity to contribute solid code which will be useful for many developers across the globe in near future.

I have always wanted to working on projects with web payments. The project has its importance in the fact that web is becoming more powerful day by day and lots of sales happens online these days which will only increase. The project intends to bring up a new community of contributors to web who can rely on income from the content they contribute. Working on this project will help me give me unmatched knowledge over the coming months. And also, I’m excited to contribute to open source community through W3C, which would reach many developers.

**Personal Details**

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**Skype ID:** russelnickson

**IRC nick**: russelnickson

**Github account**: <https://github.com/russelnickson>

**Phone number**: 0091 98947 20101

**School Name**: Anna University, Chennai, India.

**Years completed**: Master of Technology, First year.

**Programming Languages**:  PHP (Beginner), JavaScript (Beginner), Python (Intermediate)

**Project Description**

**Link to project description**: <http://www.russel.in/gsoc2013/W3C>

**Describe your idea in detail**: I am interested to contribute to web payments with Payswarm which I found listed in your project list. I intend to write a python command line client for Payswarm and to write a django plugin for Payswarm integration.

**What have you done so far with this idea**:

1. I have explored the development history of Payswarm project.
2. I have tried the Payswarm demo and found the whole idea very interesting and useful.
3. I identified that the python command line client and django plugin would be of great use to developers who intend to integrate Payswarm.
4. I have had a look at the JS client and wordpress plugin written in PHP on github.

**Anticipated challenges**: The project is within the scope of development. The challenge would be to make the Django plugin and python command line client very easy for developers to play around with. I intend to document it well to avoid any ambiguity for developers during integration.

**Potential mentors**: I have been in touch with Mr.Manu of digitalbazzar, and see him as a potential mentor for the project.

**Schedule of Deliverables**

**Milestones and deliverables schedule**:

May 5 – May 12 : Study the existing Javascript client for Payswarm and the php word press plugin.

May 12 – May 27 : Get familiarized with working of Payswarm by writing a sample application integrating Payswarm.

🡨Hopefully project gets selected 🡪

May 27 – Jun 3 : Community bonding & Reading documentation.

Jun 3 – Jun 10 : Write the exact specifications for the gsoc project.

Jun 10 – Jun 30 : Dive into coding. Implement Payswarm Django plugin.

July 1 – July 7 : Testing the code & Bug fixes.

July 7 – July 14 : Code cleaning & documentation.

July 14 – July 21 : Frame code examples and document it for developers’ aid.

July 22 – July 29 : Buffer time.

🡨mid term evaluation🡪

Aug 4 – Aug 11 : Write the precise specifications for the python command line client.

Aug 11 – Aug 31 : Code the python command line client.

Sep 1 – Sep 7 : Testing & Bug fixes.

Sep 7 – Sep 14 : Code cleaning & documentation.

Sep 14 – Sep 27 : Buffer (code enhancements based on mentors advice)

**Other commitments**: I will have to spend 4 to 6 hours for the M.Tech course which I am currently pursuing. Other than that, I will devote my entire productive hours for gsoc. Apart from that I do follow a routine, which includes my regular play/gym and the like time throughout the week. But the bottom line is that Gsoc gets top priority and 40 hours per week will be bare minimum.

**Open Source Development Experience**

**Coding Experience**: I have not made any contribution to the open source community as such. But, I have few of my works which I have pushed to my github account. It includes coding with python on front-end with glade and back-end with django which will be relevant to the project which I propose.

**Work Experience**

**Work Experience**:

1. **“Artificial Intelligence Based Tutor” –** A new learning technique.

I did this project as a part of my course completion. I did it individually. I set my own milestones and worked to its completion.

**Description :**

“Artificial Intelligence Based Tutor” is an AIML based chatbot which behaves like a tutor.

 **Specification :**

* 1. AIML stands for Artificial Intelligence markup Language. It is used in the project for Natural Language Processing.
	2. The project is implemented as a desktop app built in python.
	3. The proposed tutor is an innovative learning technique which will benefit self-paced learning and is also interactive to make the learning more fun.
1. **Effect Works –** Jan 2012 to Feb 2012 - <http://www.effectworks.com/>

I worked for Effect Works as a student intern on an experimentation project of building their own android application. Effect works expertise in designing UI while my role was to build the android applications integrating their designs. But when necessity arose, I did backend coding with python.

**Reference :**

 Mr. Narayanan Hariharan - narayanan@effectworks.com

Mr. Gokul Visweswaran - gokul@threesea.com

**Academic Experience**

**Academic Institution**: College of Engineering, Anna University, Chennai, India

**Current Program**: I did my undergrad in B.E Computer Science. I am currently pursuing my Masters in M.Tech Remote Sensing.

**Anticipated Graduation**: 2014

**Academic Performance**: Having a Computer Science major in my undergrad, I have developed my coding skills as a part of academics itself. Apart from curriculum, I learnt android development and programming with python by myself driven by my interest. I have done few projects with python which include back-end programming with django, front-end development with glade which is have in my Github account.

I have worked on the chatbot ALICE, and i have integrated a python tutor module so that it can teach python by answering questions.

I am familiar using git, stack overflow, irc, mailing groups and am both comfortable coding as an individual and in a group.

**References**:

1. Mr.Dorai Thodla - dorait@gmail.com
	* Serial entrepreneur, Founder & CEO Imorph.
2. Mr.Cloudin - scloudin@gmail.com
	* Head of the Department, Computer Science, KCG College of Technology.
3. Mr.Raja – rajahce@gmail.com
	* Class Incharge, Deparment of Computer Science, KCG College of technology.

**Why W3C**

**You're applying to work with the World Wide Web Consortium (W3C) during GSoC because**:

I am much interested in contributing open source code that will be useful for lots and lots of developers across the globe. I see an opportunity for that with W3C.

**After GSoC, you envision your involvement with W3C will be**:

Definite answer would be to evolve into a core contributor, thereby ensuring the continuous growth of the web.