

SURIYA PRIYA VELUCHAMY

11014 Greenwood Avenue North, Unit C, Seattle, WA
<https://www.linkedin.com/in/suriyapriya>

☎ [631-413-3139](tel:631-413-3139)

✉ sathyasuriya@gmail.com
<https://github.com/suriyapriya>

Objective

Seeking a full time position leading to a challenging career that utilizes my hard working capability, technical skills and provides professional advancement opportunities.

Education

M.S Computer Science	Northwestern Polytechnic University, Fremont, CA	4.0/4.0	Sept. 2013 – Dec. 2014
Computer Programming Certificate	Univ. of California, Santa Cruz – Silicon Valley Extension	3.88/4.0	2011-2012
Courses	Foothill College, Los Altos, CA	4.0/4.0	2012-2013
M.Sc Physics	Madurai Kamaraj University, India	78%	2008-2010

Computer Proficiency

Languages	C, C++, Java, Python, PHP, HTML5, CSS, Javascript, JQuery, AJAX, Bootstrap, JQuery mobile
Softwares	Microsoft visual C++, Eclipse, Netbeans, IntelliJ IDEA, ERDAS, ARCGIS, Wireshark, Firebug, Git, Gerrit
Databases	Oracle, MySQL

Experience

Software Engineer, Amazon, Inc., Seattle, WA

Java

August, 2015 – June, 2018

- Contribution on improving and maintaining the various features of the Customer Service Components including Issue Management, Knowledge Center and so on.
- Experienced on using JS, JSP, CSS for front end development and Java for backend development.
- Experienced on using DynamoDB, S3, and other services in AWS.

Software Engineer, V5 Systems, Inc., Fremont, CA

C++, Linux

May, 2014 – July, 2015

- Developing and implementing Server-side API using C++ boost library to convert User configuration to Camera configuration and vice versa.
- Understanding the camera configuration by gathering packets through Netcat, Tcpdump and Wireshark.
- Using LINUX system to run the commands and compiling the code.
- Implementing unit testing framework in C++ for the server API functions.
- Provide some support in the enhancement of the Web UI using JavaScript.

Teaching Assistant, NPU

C, Java

Jan 2014 – August 2014

- Worked as a teaching assistant for Operating Systems, Intro to Unix/Linux and Java courses.
- Work involves preparing exam question papers, conducting lab sessions, grading assignments & exam papers, and clarifying student questions through email or during TA hours.

Projects

Personal Stock

HTML5, CSS, JQuery, JQuery Mobile, Cordova

This android mobile application allow users to create an account for trading personal stocks. It gets real time stock information from yahoo finance. When the account is created, web camera is used to take photo of the user. It allows users to manage their own account by updating their personal information, deposit and withdraw money and change their pictures. In trading part, Users can buy and sell their stocks. It allows users to get the reports of bank statement and stock performance for the specified dates. It uses HTML5 local storage to keep the user account and stock information.

News Center

PHP, MySQL, HTML5, CSS

This web application allows users to share and manage their companies' press releases. Features for common viewers (Non-login users) include search news using newsbody, city, or dateposted. Features for user and admin-user include edit and delete the news especially admin can manage all user's press releases. Sign-in concept is managed by using sessions.

Apartments for Rental searching in SF area

PHP, JavaScript, MySQL, HTML5, CSS

This web application allows users to find apartments which are currently available for rental in San Francisco Bay Area. Craigslist website is crawled to retrieve the list of apartments. Features include viewing full details of apartments, photos,

integration with google maps, search apartments using different parameters, subscription mechanism that forwards newly posted apartments matching search criteria to email.

Car Rental

HTML5, CSS, JQuery, Bootstrap

This web application allows users to rent a car from the rental company. For the ease of choosing car, the car pictures are used for choosing different car types. Once the car is selected, it will show the following details as

- Options like insurance, car wash, gas card according to different car types.
- Discount offer for 10% for more than 15 days and 15% off for more than 30 days.
- Once validate the given inputs, cost of the car rental will be displayed

Google Summer of Code 2014 – GCE support for Stratos

Java

Apache Stratos is a PaaS(Platform as a Service) framework that provides a cloud computing platform along with software components to develop/test/run scalable applications by making use of IaaS(Infrastructure as a Service) providers who provide with underlying servers, storage, network, etc. Stratos uses jclouds to integrate with various IaaS providers. Currently, Stratos supports Amazon EC2, Openstack as IaaS providers. The goal of this project is to provide support for **GCE** (Google Compute Engine) which is google's IaaS solution, and to run large scale tests in it.

<https://github.com/apache/stratos/commits?author=suriyapriya>

Scrabble

Java, GoogleAppEngine, HTML5, JavaScript

This word game is implemented using Java, JavaScript, HTML5 as a web application for Google appengine, which is a google cloud infrastructure. Game can be played between multiple human players and/or against computer. Games was developed using Objectify java, JQuery, Kinetic JavaScript libraries.

Blackjack

Java, Swing

This game is implemented using Java Programming with swing, awt and Graphics components. This game is developed to support the new hand, hit me, stand and hint functionality of Original BlackJack Game. It allows the player to interact with dealer via graphical mode.

QuTTY

C++, Qt

It is a multi-tabbed, multi-paned SSH/Telnet client developed based on PuTTY using Qt Gui framework. As one of the developers of the project, I helped in fixing/testing a number of bugs and a number of features.

Certifications

Oracle Certified Associate, Java SE 7 Programmer.

Awards and Achievements

Ranked 1st during post graduate studies in a class of 15.

Ranked 3rd during under graduate studies among 50 students.

Participated in Google Summer of Code (GSOC) 2014.

Visa Status

H4 Visa with Employment Authorization (H4 EAD).