Namrutha B V

Computer Science Graduate Student @UHCL | Software Developer

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Summary

Being a software developer and graduate student in computer science, I am interested in learning new computing languages and intend to work with new technologies and programming languages with an enthusiastic and result driven mindset.

Previously, being associated with Subex Ltd as a software developer, I worked on Ruby on Rails, C++, javascript, shell script, Jasper Reports and also gained hands on experience with Zabbix , Zookeeper, Solr and Logstash .

Currently, I'm pursuing my Master's in Computer Science from University of Houston-Clear Lake and strengthening my skills in algorithms and databases.

Technical skills:

Languages   : Ruby, C++, Core Java, JavaScript, shell script, HTML, CSS
Database   : Oracle 11g, MySQL
Frameworks   : JQuery, AngularJS, Rails (4 and 1.2.3)
Operating Systems : Fedora 20, RHEL 6.4, CentOS 6 and Solaris 10
Software Tools   : Eclipse IDE, MS Office, SQL developer, Vi editor

Experience

Software Engineer at   Subex Limited
September 2013 - July 2016 (2 years 11 months)

   Product : ROC Fraud Management

   • Worked as a part of Product development and Innovation (R&D) team of ROC FM product and possess expert knowledge in both Client and Server side programming.
   • Acquired a full-fledged command on Client side programming using Ruby on Rails, HTML, CSS, JQuery and JavaScript.
   • Integrated a Monitoring tool to check the consistency of product. Monitoring tool incorporated with Zabbix, Zookeeper, Solr and Logstash.

- Created automation Scripts for installation and to handle the functionalities of Monitoring tool (like start, resume, stop and restart).
- Gained excellent knowledge in handling Internationalization and Jasper Report and implemented the representation of foreign characters on the web client.
- Played key role in introducing a new feature called Subscriber Data Modelling (SDM) which enables subscribers to support extra services like VAS, GPRS, DTH and helping the telecom operators to prevent, detect the possible fraudulent activities.
- Have thorough experience of Server side programming using C++ and well versed in concepts such as multi-threading, signal handling, UNIX/Linux system calls and boost library.
- Possess commendable problem solving, critical thinking and analytical skills.
- Handled complete process of upgrading a customer site called Melita Telecom to use the latest version of the product without disturbing customer's functionality.
- Actively resolved critical and major bugs, inclined to cover test cases for various modules to enhance the functionalities of the product.

Skills & Expertise

Algorithm Design
Data Structures
C++
Ruby on Rails
C
Linux
SQL
Java
Operating Systems
Teamwork
Unix
MySQL
JavaScript
XML
Software Development
HTML
Shell Scripting
Oracle

Education

University of Houston-Clear Lake
Master's Degree, Computer Science, 2016 - 2018
University Visvesvaraya College of Engineering
Bachelor's Degree, Computer Science, 2009 - 2013
Grade: 76.6%

VVN sardar patel pre university college
PUC, PCMB, 2007 - 2009
Grade: 84.8%
St joseph school , somwarpet
sslc, 2004 - 2007
Grade: 92%

Projects

Cell Sense : An Energy Efficient GSM Positioning System
November 2012 to Present
Members:Namrutha B V, Arjun Subramanyam Varalakshmi

Cell Sense - Android Application:

* Cell Sense, which is a probabilistic fingerprinting-based technique for GSM localization.

* Unlike current fingerprinting techniques for GSM phones that use a deterministic approach for estimating
the location of cell phones, the Cell Sense probabilistic technique provides more accurate localization.

* However, constructing a probabilistic fingerprint is challenging as we need to stand at each fingerprint
location for a certain amount of time to construct the signal strength histogram.
This adds significantly to the overhead of the fingerprint construction process.

* Cell Sense addresses this challenge by using gridding, where the area of interest is divided into a grid, and
the histogram is constructed for each grid cell.

* The Cell Sense-Hybrid technique also has the added advantage of its accuracy being robust to changes in its
parameter values.

Simulation of Linux Shell
Members:Namrutha B V

Platform : Linux
Technology used : 'C' and Shell Script

Project was designed with the main idea to stimulate the major functionalities of Linux Shell.-
Execution of Linux commands for following task :

• Creation of directories and files.

• Renaming of directories and files.

• To Copy/Move the files and directories.

• Removing files and directories.

• Displaying the current working path.

• Displaying the calendar and system date.

• Simulated the functionalities of 'man' command.

• Incorporated the display of appropriate error message for incorrect handling.

Online Tourism Portal
Members:Namrutha B V

Platform: Windows

Frontend: PHP, HTML, CSS3 and JQuery

Backend : MySQL

- User friendly web application that allowed users to register, plan and reserve tickets for available trips.
- It provided extra information with photo gallery and climatic conditions of the places associated with trips.
- Project was featured with password protected login and restricted view of database based on the role of people using the database.
- Apache http server was used for demonstrating the project.

2D Graphics Editor

Members:Namrutha B V

Platform : Windows

Technologies used : C , Graphic algorithm

- The main objective of this project was to create an application similar to MS paint.
- This application allows users to draw 2d shapes like circle, lines, ellipses and other 2d objects.
- It was implemented using the knowledge of Computer graphics and graphic algorithms by using the C programing language.

Languages

English	(Full professional proficiency)
Kannada	(Native or bilingual proficiency)
Hindi	(Professional working proficiency)

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Linked in.

Contact Namrutha on LinkedIn