ARUN VB
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Professional Summary

Experienced software engineer with a passion for developing and testing innovative programs that expedite the efficiency and effectiveness of organizational success. Well-versed in all phases of software development life cycle (SDLC). Proficient in technologies like

- o Javascript,HTML,CSS,Angular JS,node JS.
- o Python, perl, shell scripting.
- o Linux,
- o Embedded C programming.
- o Microcontroller programming (ARM Cortex),
- o Certification in linux system administration (RHCSA) from Redhat.

Confident communicator, strategic thinker, and innovative creator who develop and test software that is customized to meet a company's organizational needs, highlight their core competencies, and further their success.

Education

Coding Boot Camp On Full Stack Development
University Of Adelaide, SA (From 07/2020 to 02/2021 - Ongoing)

RHCSA from Red Hat
Red hat Certified System Administrator (RHCSA) – 2019
(MARCH 21, 2019 - CERTIFICATION ID: 190-051-474)

DESD from Centre for Development of Advanced Computing – Bangalore, India
Diploma in Embedded System Design (DESD) – 2005

B-Tech from NSS College of Engineering, University of Calicut – Kerala, India
Electronics and Communication Engineering – 2002

Skills

- Well-versed in the below mentioned areas:
  - o Programming Languages and Technologies: JavaScript, HTML, CSS, AngularJS, Node JS, Python, Perl and Shell scripting.
  - o Operating System: Linux, Embedded linux and Windows.
  - o Tools: Tortoise SVN, Jet Brains Web Storm, My SQL Work Bench, Wamp Server, Viscio, Bugzilla.
  - o Configuration Manager: SVN, GIT Hub, CVS.

- Skilled at analyzing, developing and testing software codes.
- Strong ability to understand and implement new algorithms, and do it efficiently in the software.
- Confident problem-solving abilities to overcome glitches with creative solutions that are strategically designed to last long-term.

Employment History

DEVELOPER PROGRAMMER: 05/2014 to 03/2017
Amrita Centre For Wireless Networks And Application (AWNA)

Project: Flood Evacuation – Web Development

The project is a part of Indo-German Cooperative Research in Civil Security.
As part of this, a web application, which can be used by citizens, rescuers and administrators in a flood affected area is developed and deployed.

Responsibilities:

Developed features and fixed software bugs using Java script, Angular JS, HTML, CSS, in the Flood Evacuation web application.

Developed test cases for the requirements in the Flood Evacuation web application.

Conducted the unit testing, functional testing and regression testing for the Flood Evacuation web application

Skills and tools used:

JavaScript, Angular JS, Node JS, HTML, CSS, Tortoise SVN, Jet Brains Web Storm, My SQL Work Bench and Wamp Server.

SENIOR PROJECT ENGINEER: 10/2006 to 03/2013
Wipro Technologies Pvt Ltd

Project#1: Philips For Customers (P4C) web page support - Web Development

P4C, is a support website which provides information about all the Philips consumer products to the customers.

Responsibilities:

Developed features and fixed software bugs in the P4C web page using Java script, HTML, CSS and Angular JS.

Worked as an Onsite coordinator (Nether Lands) for the web development project

Skills and tools used:

Java Script, Angular JS, HTML, CSS, and Tortoise SVN.

Project#2: GAIN Control Modules (GCM) in A350 (Avionic Domain)

To have fully monitored and configurable Galley, with kitchen equipments (Galley inserts) such as Oven, Chiller, Beverage Maker, Water Heater and Trash Compactor meeting ARINC 812 compliancy.

Responsibilities:

Developed prototypes for Oven, Chiller, Trash Compactor, beverage Maker, and Water Heater successfully using Embedded C.

Tested the GAINs.

Executed maintenance updates.

Monitored and guided the activities of junior members in the team.

Skills and tools used:

Embedded C ,TASKING VX toolset, Infineon XC164CS (C166 core) 16bit microcontroller programming.

Project#3: Advanced Telecom Computing Architecture (ATCA)/
Shelf Manager Application on Radisys ATCA Platforms (Telecommunications)

The RadiSys ATCA Platforms comprise a family of telecommunication systems based on the PICMG 3.0 standards. The Shelf Manager is an embedded application used in the ATCA management boards to monitor and manage the entire system.

Responsibilities:

Enhanced the shelf manager application by adding more features based on customer requirements.

Enhanced different tools used in the project such as hpiapp and CLI.

Fixed bugs in the shelf manager code base and different tools used in the project such as hpiapp and CLI

Packing the developed code base using Linux RPM packaging technique.

Developed Test cases for Shelf Management Requirements based on ATCA/PICMG standards.

Automated the test cases written for Shelf Management Requirements using perl/shell scripts and tested the same.

Skills and tools used:

Embedded C programming in the linux environment, Perl, Shell Scripting , RPM Packet management and CVS.

Project#4: MCLP-512 Board Bring Up (Telecommunications)

MCLP-512 board is used in Nokia switching networks. The main function of the board includes, processing and switching of HDLC (High Level Data Link Control) packets, reaching in to the board. The HDLC packets coming from various Nokia networks will get processed in this board and will be routed to different Nokia networks.

Responsibilities:

Developed diagnostic codes and scripts for testing the board using C, perl and shell scripting, which checks the health of the board.

Setting up linux kernel debugging environment (kgdb) for debugging the linux OS installed in the board and performing kernel debugging.

Developing GNU Make file for the diagnostic code base.

Skills and tools used:

Embedded C programming in the linux environment, Perl, Shell Scripting, linux make files, linux kernel debugging using kgdb and CVS.

ENGINEER: 03/2005 to 10/2006
Honeywell Technology Solutions Lab

Project: Flight Planning
A flight plan is a complete path traveled by an aircraft from the departure airport to destination airport and it controls the entire route of the flight during its journey.

Responsibilities:

Debugging, bug fixing and testing of the flight plan code as per customer requirements.

Developed test cases for flight plan requirements.

Conducted the unit testing, functional testing and regression testing for the flight plan code base.

Skills and tools used:

ADA programming, ITEG Debugging tool and DO 178B standard.

Current Status (Non-relevant)
PERSONAL CARE WORKER: 11/2019 to till date
Estia health Centre – Craigmore

Responsibilities:

Provide support to elderly people by assisting with daily activities and personal tasks. This often includes providing support with eating, showering, dressing, tidying and cleaning.

Skills:

Communication skills:
  o Listening carefully to the needs of the residents and take actions accordingly.
  o Communicate effectively with other team members and supervisors so that the tasks are done and issues are addressed in a timely manner.
Team work:
  o Engaging effectively with other team members and supervisors contributing to a positive and strong team culture.
Time management:
  o Organize and Prioritize tasks
  o Avoid procrastination and complete the tasks on time

Additional Information

Achievements:

Received Team excellence award from Honeywell Technology solutions Lab

Hobbies:

Interested in reading fiction, non-fiction and autobiographies .
Practice Yoga and meditation which keeps me physically and mentally healthy.

Reference

Available on request.