


Kirubakaran. S 

Seeking a challenging position as Linux system engineer, where expert technical skills, extensive knowledge of Linux internals like IPC, Multithreading, Socket Programming, Synchronization techniques, Layer 2 networking with C language.

Current Designation: Software Engineer -IT

Total Experience: 5 Year(s) 9 Month(s)

Current Company: HCL Technologies

Notice Period: 3 Months

Current Location: Chennai

Highest Degree: B.Tech/B.E. [Electrical and Electronics]

Pref. Location: Bengaluru / Bangalore, Chennai, Hyderabad

Functional Area: IT Software - Application Programming / Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Key Skills: Software Engineer, Software Developer, C, Linux, Data Structures, Shell, Python, SNMP, GIT, IBM Clear Case, GDB, Valgrind, IPC, Multithreading, Memory Management, Process Management, Layer 2, L2, Linux Kernel, Linux Driver, Linux Device Drivers

Verified : Phone Number | Email - id

Last Active: 18-Jan-21

Last Modified: 18-Jan-21

Summary

5.8 years of experience in Datacom and Application development and presently working as Software Engineer at HCL Technologies.

Work Experience

HCL Technologies as Software Engineer -IT

Nov 2016 to Till Date

Worked in sustenance project for Extreme network clients.

Project: Network OS

Description:

Network OS is one of the firmware for Extreme Network's network switches and ethernet directors.

Network OS is a Linux based embedded Operating System that supports ethernet protocols.

It comprises of multiple user and kernel space modules added on top of Linux as per the requirements.

Roles

Trouble shoot and solving the issues on Extreme's Network OS.

Trouble shoot and solving the issues on VLAN, SNMP, DCMd, STP.

Trouble shoot the customer issues on Kernel panics and Memory leaks.

Provided the root cause analysis and workarounds for the customer defects

Fixed the defect for the customer issues.

Performed internal code reviews to provide peer feedback and to deliver a quality code for the customer.

Pace Automation as Junior Software Engineer

Mar 2015 to Nov 2016

Project: KIOSK POS development

Description:

Coffee Day is a modernized chain of restaurants having more than 1500 outlets all over India.

Each outlet has kiosk, terminals and KOT device assign to it. Terminal is a device used to get order and print bill for

ordered items. Kiosk is a computer setup with required accessories such as printer, smart card reader. The Application involves in Billing, Reports Management, Items Stock Management, Audit Management and Employee Pay Roll.

Roles:

Trouble shoot and solving the issues on Network stack, memory and IPC synchronization errors.
Trouble shoot and solving the issues on Linux internals, Memory leaks and Crashes.
Provided the root cause analysis and workarounds for the customer defects
Fixed the defect for the customer issues.
Performed internal code reviews to provide peer feedback and to deliver a quality code for the customer.

Education

UG: **B.Tech/B.E. (Electrical and Electronics)** from **JNN Institute of Engineering, Chennai** in **2014**

IT Skills

Skill Name	Version	Last Used	Experience
C			5 Year(s) 8 Month(s)
Data Structures			5 Year(s) 8 Month(s)
Shell Script			5 Year(s) 8 Month(s)
Python			2 Year(s) 2 Month(s)
VLAN, STP, AMP and ARP			4 Year(s) 8 Month(s)

Languages Known

Language	Proficiency	Read	Write	Speak
English				
Tamil				
Telugu				

Projects

Project Title: **Network OS**
Client: **Extreme Networks**
Nature of Employment: **Full Time**
Project Location: **Chennai**
Role: **Programmer**
Duration: **Nov 2016 - Till Date**
Onsite / Offsite: **Offsite**
Team Size: **16**
Skill Used: **C, Linux, Data Structures, Linux Internals, Kernel Programming, OS Internals, Device Drivers, Linux Kernel, Multithread Programming, Socket Programming, IPC, Valgrind, TCPDump, WireShark, snmp,**
Role Description: **Trouble shoot and solving the issues on Extreme's Network OS.**
Trouble shoot and solving the issues on VLAN, SNMP, DCMd, STP.
Trouble shoot the customer issues on Kernel panics and Memory leaks.
Provided the root cause analysis and workarounds
Project Details: **Network OS is one of the firmware for Extreme Network's network switches and ethernet directors.**
Network OS is a Linux based embedded Operating System that supports ethernet protocols.
It comprises of multiple user and kernel space modules added on top of Linux as per the requirements.

Project Title: **KIOSK POS development**
Client: **PACE Automation**
Nature of Employment: **Full Time**
Project Location: **Chennai**
Duration: **Mar 2016 - Nov 2016**
Onsite / Offsite: **Offsite**

Role: Programmer

Team Size: 10

Skill Used: C, Linux, gdb, Valgrind, MySQL,

Role Description: Trouble shoot and solving the issues on Network stack, memory and IPC synchronization errors.

Trouble shoot and solving the issues on Linux internals, Memory leaks and Crashes.

Provided the root cause analysis and workarounds for the customer defects

Project Details: Coffee Day is a modernized chain of restaurants having more than 1500 outlets all over India.

Each outlet has kiosk, terminals and KOT device assign to it. Terminal is a device used to get order and print bill for ordered items. Kiosk is a computer setup with required accessories such as printer, smart card reader.

The Application involves in Billing, Reports Management, Items Stock Management, Audit Management and Employee Pay Roll.

Affirmative Action

Physically Challenged: No

Work Authorization

Job Type: Permanent

Employment Status: Full time