



kirankumar patil

Member Of Technical Staff

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I am a self-starter, Teamwork-oriented, innovative and hard working individual, Having 5 years of experience in software and firmware development. Currently working on networking protocol. Worked on Networking and storage domains. Passionate about learning new technologies.

WORK EXPERIENCE

MTS VMWare

07/2018 – Present

Bengaluru, India

Network File copy (NFC)

- NFC wire protocol provides a service for moving files between the client and the server over a TCP link.
- Client Side library changes to support the new protocol changes.
- Add new Nfc framework to test-esx.
- HA needs to support 96host Clusters in main.
- Worked on Bugs.
- Nfc test integrated to Jenkins.

MTS Colortokens

10/2017 – 07/2018

Bengaluru, India

Cyber security company

Tasks

- Worked with colortokens on security product, based on Micro segmentation.
- Implemented ARP, ICMP, ARP table in DPDK, to bypass kernel, it magnificently increased performance.
- Worked on DNS, DNS response send to analytics through kafka. Internally used libpcap for packet capturing packet and Bpf(berkeley packet filtering) to filter dns response.
- Worked on Linux installer & Centos installer (Debian & RPM).

Firmware engineer Seagate

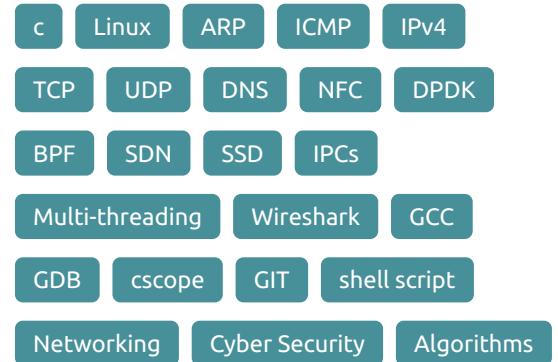
01/2017 – 10/2017

Bengaluru, India

SSD (solid state drive)

- Implementation Misc (miscellaneous) message feature, when Flash slowdowns the for read/write/erase Need to change Hardware configurations.
- Power Management for FDP (Flash data path) Driver. Using write path registers need to set to sleep mode LS(light sleep), DS(deep sleep) or SD(shutdown).
- Power management for FDP driver, need to put memories of FDP drivers into Deep sleep It will save the power 30-60%.

SKILLS



HONOR AWARDS

Young Turk (2015 – 2016)

Global Edge

TECHNICAL SKILLS

Language

C, C++(basic knowledge)

Linux

Unix/Linux Internals (FMS, PMS, IPC, Signals, Multi-threading), Knowledge on Various Linux commands and System Calls

Networking

Knowledge of Network protocols (ARP, Ipv4-v6, TCP, UDP,DNS) Basic knowledge on VLANs

Tools

Tools: GCC, Wireshark, Spirent, ctags, cscope and code collaborator, Git, Bitbucket

Debuggers

Readelf, GDB, Lauterbach, Trace32, JTAG

Hardware

ATCA-2470 (NPX), NetFPGA-1G-CML.

EDUCATION

Bachelor of Engineering in Computer science

PESCE, Mandya

2009 – 2013

WORK EXPERIENCE

○ Software Engineer

Global Edge

06/2014 – 12/2016

Bengaluru, India

ATCA-2470 (NPX) Load Balancing Software

- Involved in the implementing PR's (processing resources) with IP's (ipv4 or v6 or combined) and restoring those PR's
- Responsible for understanding about product ATCA-2470 (NPX) Load Balancing Software and how it will load balance
- Involved in the implementing port mapping and self-paired port
- Unit testing and sanity testing for traffic load balance
- Implemented CLI Server (telnet-like server) it was a concurrent server that was capable of handling multiple client requests simultaneously
- Worked extensively in SDN on Data plane and control plane

LANGUAGES

English

Full Professional Proficiency

Kannada

Native or Bilingual Proficiency

Hindi

Professional Working Proficiency