

Professional Summary:

9+ years of industry experience in Networking, Wireless and Embedded Systems domain with strong product design, software development and debugging, team-leading and mentoring skills.

Have experience with product development in network components like Access Points, Wireless Controllers, Security Hardware and involved with design and development of data path, protocol, security, virtualization and mobility components. Experience of debugging and fixing many customer issues as the owner and core member of data path component. Well versed with switching, routing and tunneling technologies, having worked extensively on TCP/IP, VPN, OPENVPN, IPSEC, IKE, OPENVSWITCH, VIRTUALIZATION, NAMESPACES and DHCP.

Patents:

1. Virtual local area network mismatch detection in network

Application number: 14/266,294

Filing date: April 30, 2014

2. Zero touch configuration support for universal serial bus modem on a network device

Application number: 14446548

Filing date: July 30, 2014

Work Experience:**Member of Technical Staff in Acalvio Technologies Bangalore from July 2017 till date**

- Acalvio is deception based cyber security startup.
- Part of Network virtualization team called NVCTL

Current Responsibility at Acalvio

- Designed and developed data path for the network virtualization module IPMGR, Which involves handling and routing of network packets in user space. Data path programming is done in C language.
- Designed and developed orchestration engine which involves interfacing with above layers and programming of OpenVswitch. Golang is used for interfacing with above layers using rest apis and Python is used for the programming ovs flows, init scripts, one time scripts, tunnel monitoring, cli, VM monitoring, system init.

Member of Technical Staff in Aruba Networks, Bangalore from September 2012 to July 2017

- Aruba is a market leader in Enterprise WLAN, which is now part of Hewlett Packard Enterprise
- Part of the core team which came up with Aruba's controller-less solution called Aruba Instant
- Filed Two Aruba patent applications.
- Core member of the data path / firewall component of a multi-site team
- Experience working directly with SEs on PoCs, network design and feature analysis
- Experience with working on critical customer escalations

Major Customer Interaction at Aruba

- Verizon : Involved in PoC stage which involved supporting of 4g sierra modem as uplink from Access uplink.

Responsibilities at Aruba

- Designed and developed layer 3 mobility which involves maintaining user layer 3 sessions and connections across neighboring access points. Here user sessions are shared across layer 3 network access points without involving the centralized entity called controller.
- Designed and developed snmp mibs like Ifmib, q-bridge-mib, few enterprise mibs, traps.
- Designed and developed 3g/4g uplink feature which involves providing the data part support for the modems from company like Huawei, Sierra, Netgear, Pantech.
- Have filed a patent on the 3g/4g uplink feature which involved auto detection of modem based on country, timezone, isp.
- Designed and developed uplink vlan detection which involves monitoring of vlan packets, DHCP packets, arp packets and filed a patent for this.
- Designed and developed time based wifi ssid feature which involves enabling of ssid based on absolute time/day or based on generic time/day/week. This also involved programming of firewall rules based on time.
- C language is used in all the cases.

Software Engineer in Huawei, Bangalore from June 2010 to September 2012

- Huawei is a market leader in wired switching and routing business
- Core member of a Routing protocol stack team which runs on various switches and routers
- Designed and developed the IPSEC stack on the Huawei networking stack.
- Designed and developed the NAT/NAPT stack on the Huawei networking stack.
- C language is used in all the cases.

Academic Profile:

- **BE in Electronics and communications** from **BMS College of Engineering**, Bangalore (2006-2010).