

Anand Madhab

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OBJECTIVE

To pursue a challenging career where I can effectively contribute my skills as Software Developer, with sincerity, responsibility and contribute the best to achieve the organization goal, leading to mutual growth.

SUMMARY

- **14+ years** of experience in design and development of Client-Server architecture, with extensive use of **C/C++, Go** under **Computer Networking** domain in **Linux** environment.
- Good understanding of **Data Structures** and **Networking concepts**.
- Currently working on Server side of mTLS, previously worked on VPN, IPSec, DHCP, SNMP, DLP, etc.
- Worked as a Developer in projects, analysed and fixed bugs and solved challenging problems.
- Fast learner with short learning curve, highly creative and enthusiastic.
- Have skill to manage the task distribution and deadline follow-up.
- Working experience on Agile, Scrum team, maintaining Sprints.

TECHNICAL PROFICIENCY

Programming Languages	C, Script level understanding of Python on Linux based environment, Go
Technologies and Tools	Socket programming (TCP, UDP), Multithreading, Wireshark (TCPDump), GDB, GIT, Linux System Programming, HTTP, HTTPS

EXPERIENCE INFORMATION

Previous Employer: **Zscaler Inc.** Working as Senior Staff Software Engineer II since Jan 2024.

Project: ZSDK (Zscaler SDK)

Description: Working on Server side

Role: As Senior Staff Software Engineer was responsible for:

- Making the existing ZPA to make it compatible to work with ZSDK. Wrote a few APIs in existing ZPA code which will do validation of new changes in C.
- Worked on Adding counters for debugging purposes. This was on the Broker side in C, can be displayed on console or in Magellan UI.
- Worked on Writing scripts in GoLang for the scalability and Performance test. Simulated 30k users using my new script and tested both scale and Performance. Prepared document and presented to higher management.

Previous Employer: **Akamai Technologies.** A reputed product-based company working on Security BU. Working as Senior Software Engineer II since July 2022.

Project: EAA (Enterprise Application Access)

Description: Working on Client side

Role: As Senior Software Engineer II was responsible for:

- Worked on features, like Adding compatibility with windows fast startup mode, Routing, Override IP, Adding per app timeout, configurable bypassing specific traffic, After sleep No network shown even if network is present, crash issue.
- This project was entirely in Go, so learnt new language and

Previous Employer: **Citrix R&D India Pvt Ltd.** A reputed product-based company working on Citrix ADC. Working as Staff SW Engg from June 2021 to July 2022.

Project: Gateway Plugin

Description: Working on VPN gateway side.

Role: As Software Development Engineer was responsible for:

- Working on feature requests and Customer/internal bugs.
- Worked on a couple of small features, like Adding DNS suffixes, Adding Idle session timeout.

Previous Employer: **Sophos Software India**, A reputed product-based company working on firewalls. Worked from Jan 2019 – June 2021.

Project: IPSecurity (IPSec) VPN

Description: IPSec VPN for Sophos firewalls. It provides secure communication between two nodes, nodes can be hosts or networks.

Role: As Software Development Engineer was responsible for:

- Worked on AWS VPC Connector port, here we create VPC on AWS, download config file upload from HW/VM box.
- Worked on PolicyBased and RouteBased VPN, internal and customer reported bugs/features.
- Improved Logging framework for IPSec module to send and store logs to AWS Cloud.

Previous Employer: **Cisco India Software Private Ltd.** Worked as Software Development Engineer III on SNMP and DHCP protocols. Worked from May 2015 – Jan 2019

Project: DHCP Infra

Description: DHCP on Infra side for Cisco IOS Routers. It enables newly connected devices to obtain the IP address. I worked on a new feature request from a customer, for adding DHCP Client options.

Role: As Software Development Engineer was responsible for:

- Working on feature requests from customers for adding DHCP options generically, Users can give any DHCP option while configuring.
- Worked on Yang model for DHCP, worked on internal or external defects.

Project: SNMP Infra

Description: SNMP on Infra side for Cisco IOS Routers. It enables device to Get/Set/Walk/Traps for any object of MIB Table.

Role: As Software Development Engineer was responsible for:

- Working on a new release of product with new features, enhancements alongside working on internal or external defects.
- Worked with Parsing MIB tables. Wrote a tool in Python to generate metadata of MIB and TDL in XML format.
- Worked on eVWLC platform for SNMP, wrote few API's and implemented infra side of TRAPS.

Previous Employer: **McAfee Software India Pvt Ltd.** Working as a Software Engineer in Network DLP (Data Loss Prevention). Worked from August 2013 – May 2015.

Project: Network Data Loss Prevention (NDLP)

Description: McAfee Data Loss Prevention (DLP) enables to be proactive about data protection, helps you understand data use in your organization, and ensures that to create effective information protection policies.

Role: As Software Engineer was responsible for:

- Working on a new release of a product with new features, enhancements alongside working on customer reported bugs.
- Worked on content filtering and content analysis for sensitive data being sent out intentionally or by mistake.

Previous Employer: Novell Inc. A reputed product-based company. Working as Senior Software Engineer in the Windows Networking field. Worked from January 2013 – August 2013. Worked on Novell Client for Windows.

Previous Employer: Optical Fusion Inc. Worked as a Software Engineer in the Networking Field. Worked from Jan 2010 – Jan 2013.

EDUCATIONAL QUALIFICATION

- B. Tech in Computer Science and Engineering from SASTRA University, Thanjavur with 74.68%.
- 12th from Ram Mohan Roy Seminary, +2 Patna, Bihar (State board) with 71.11%.
- 10th from G.M.S.S. High School, Madhubani, Bihar (State Board) with 71.28%.
- Topper of my school in 10th board examination.

PERSONAL DETAILS

Gender : Male
Date of Birth : 31 Oct 1985
Father's name : Sri Jai Madhab Sah
Nationality : Indian
Languages Known : Hindi, English, Maithili
(To read, write and speak)
Local Address : S/O- Jai Madhab Sah, Laheria Ganj,
Ward No-1, Madhubani (P.O + District),
Pin – 847211, Bihar.
Hobbies : Traveling, listening music, browsing.

I declare that the above furnished information is true to the best of my knowledge.

Anand Madhab