Voman Kumar

Senior Software Engineer   Bangalore, India

kumarvoman@gmail.com   +918951227407

Linkedin - www.linkedin.com/in/kumarvoman

Github - www.github.com/kumarvoman

Leetcode - www.leetcode.com/kumarvoman

Professional Experience

Ivanti India Pvt Ltd - 02/22 – Present

Product – Ivanti Secure Access Client | VPN & ZTNA
- Developed and executed real-time DNS response parsing for TCP and UDP protocols, enabling FQDN based lockdown for VPN, decreased data breach attempts by 25% and improved network integrity.
- Provided Split DNS support on the ZTA client as a sole contributor, with a distribution of effort: 20% Kernel enhancements (In C) and 80% User-level functionality (C++ 14 based).
- Implemented Search domain handling for Simultaneous scenarios which increased the customer satisfaction by 40%.
- Took the initiation of K3s Kubernetes cluster setup for ZTA connection while ensuring a smooth transition to new setup and fostering knowledge transfer.

Boeing India Pvt Ltd – 07/18 – 02/22

Portfolios – ESRC & EMDS
- Led and managed a team of 6 individuals, providing mentorship and alignment with organizational goals.
- Pioneered the conceptualization, initiation, and leadership of 3 distinct projects, each employing different technology stacks - C++ with JNI, Asp.Net MVC, Kotlin, Oracle DB.
- Undertook the project as sole contributor for rewriting and enhancement of FES tool, achieving a remarkable 70% improvement in efficiency.

Netsurion Tech Pvt Ltd – 01/15 – 07/18

Product - Event tracker | SIEM Solution
- Improved the performance by 30% increase by migrating the database from Microsoft access DB to MSSQL.
- Achieved an outstanding 80% improvement in file hash checker performance through seamless integration with virus total.
- Integrated product with Elastic search and Connect Wise, elevating logging experience by 40%.

Skills

Language - C++ 14/17 | C# | VB6.0

Scripting - Python | Power shell | Bash scripting

Operating System – Windows | Linux | MacOS

API - Win32 | REST | Boost

Networking - TCP/IP | UDP | IPC | DNS | SMB | SAML | TOTP | OpenSSL | mtls | Client Server Arch | Peer to Peer | Network Optimization | Network Performance Analysis

Database - MSSQL | Oracle DB | MongoDB

Testing framework - Google Test | Boost.Test

Version control system - GIT | SVN

Tools - Visual Studio | Process Monitor | Wire shark | Docker | VS Code | Debug View | Process Explorer | Trace view | CMake | WSL | Kubernetes | Postman | IntelliJ | Maven | Val grind |MS Office | Atlassian suite

Others - Distributed Systems, multithreading, OOPS, UML, Windows Driver, Templates, Lambda, STL, OOAD, NGINX, API Design,

Personal Projects

- Load Balancer – Client Server architecture based on REST Api to mock real time requests and distributing the load across the available resources. - Currently working on its caching mechanism.
- Text Editor – Created Text Editor according to my own coding patterns so that it helps me during competitive coding and hackathons.
- Unreal Game – Developed a basic level first-person shooter game using Unreal Engine, incorporating projectile physics and enemy AI to learn game development principles and engine functionalities.

Achievements

Ivanti Recognition - Received over 50 expressions of appreciation for outstanding performance.

Boeing Awards - Honoured with Boeing Awards on 7 occasions for exemplary presentation of Boeing Behaviours.

Facebook Hacker cup – Round 2 Qualifier for 2023

Leetcode – Contest Ranking – 1464 | Rank - 11946

Education

BE (CSE) | CSVTU | 2009-2013 | CGPA - 7.2/10