ROSHAN JOHN

Bengaluru, Karnataka

roshanjohn1460@gmail.com ◇ Linkedin ◇ GitHub

OBJECTIVE

Software Engineer with 2 years of experience in C++, Perl, I do hobby projects in React, React Native and NodeJS. Seeking full-time Full Stack Engineering roles.

EDUCATION

Bachelor of Computer Science, Vellore Institute of Technology 2018 - 2022
CGPA - 8.51

SKILLS

Technical Skills C++, Python, Java, JavaScript, React, NodeJS, TypeScript, Git, MongoDB, Makefile, Perl

EXPERIENCE

Associate Software Engineer Jul 2022 - Present
Ivanti *Bengaluru*

- Integrated **ModSecurity** with **Nginx** to enhance the security of Ivanti Connect Secure(**SSL VPN solution**).

- Participated in key decision-making discussions with architects and senior engineers. Conducted the **Proof of Concept** (POC) for the product, leading to its selection as the solution to our security requirements. Authored the functional specification document for a key feature of the integration.

- Ivanti Connect Secure deployed on our custom hardware can handle up to **2500** concurrent users with WAF enabled.

- Nginx + Modsecurity WAF with OWASP Core Rule Set integration can cause up to **90%** degradation to the throughput, but we were able to bring it down to **30%** degradation under full load.

- Contributed to the development of **VTM Analytics Microservice** utilizing **Python** within a **Docker** and **Kubernetes** environment. Played a key role in enhancing the analytics capabilities and performance of the platform.

- Implemented **OAuth** authentication within the Virtual Traffic Manager, enhancing security measures and enabling secure access for users.

- Crafted pages for the VTM Analytics service employing **React**, **Redux**, and **React Router**, ensuring robust functionality and seamless navigation within the platform.

Software Engineering Intern Jan 2022 - Jul 2022
Ivanti *Bengaluru*

- Modified multiple modules to ensure compatibility with **TLS 1.3**, enhancing the security and encryption protocols within the system for improved performance and data protection.

- Made changes in code to support OpenSSL 1.1.1.1 so that the system can use **TLS 1.3** and minimize latency in HTTP requests.

PROJECTS

Social Media API Implemented a robust and scalable RESTful API utilizing Node.js, MongoDB, and Cloudinary. Employed TypeScript to enhance code maintainability and scalability.

JWT Authentication Service. An authentication service utilizing the JWT (JSON Web Token) authentication method, ensuring secure user authentication and authorization within the system. GitHub