

## SANTHOSH KUMAR S

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### Professional Summary

- Experienced C++ developer with over 8 years of expertise in Windows System programming, specializing in enterprise-level applications. Proven track record in optimizing code for peak performance and delivering mission-critical software solutions.

### Technical Skills

Programming Languages:	C/C++, VC++
IDE:	Visual Studio 2015/2019/2022
Libraries/Framework:	Windows API (WinAPI), Windows SDK
Tools:	GIT, JIRA, Jenkins, Protex, Coverity, BlackDuckHub, Windbg

### Education Qualification

- M.Tech** -Computer Network Engineering from National Institute of Engineering (**NIE**), Mysore
- B.E** -Computer Science from Vidhya Vardhaka College of Engineering (Affiliated to **VTU**)

### Work Experience

- Currently working as Software development Engineer at **Trellix**(formerly McAfee), Bengaluru
- Worked as Senior Software Engineer at **VigyanLabs Innovation Pvt Ltd**, Mysore

## Work Summary

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**Organization**    **Trellix (formerly McAfee)**

**August 2018 – On going**

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### **Software Development Engineer**

- Led the development and enhancement efforts of the Web Control module, driving critical feature implementations and optimizing performance to enhance user experiences.
- Led the migration and development of the legacy Storage Protection module, ensuring compatibility with the existing ecosystem and enhancing security for NAS devices supporting ICAP and NetApp filers.
- Served as the Security Champion, overseeing the implementation of the Secure Software Development Lifecycle (SDLC), actively participating in Threat modelling, and effectively utilizing various source code scanning tools to ensure product security.
- Conducted comprehensive vulnerability assessments in response to external reports, collaborating to publish timely Security Bulletins and strengthening the product's security posture.
- Was involved in toolchain upgrade of legacy code (Visual Studio 2010) to Visual Studio 2019.

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**Organization**    **Vigyanlabs Pvt Ltd**

**January 2015 – August 2018**

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### **Senior Software Engineer**

- Developed and maintained the IPMPlus Energy Management software, specifically the IPM+ Agent module, a robust VC++ application used for monitoring and optimizing energy consumption
- Implemented intelligent throttling mechanisms for the processor, dynamically adjusting its performance based on user activity levels and workload demands, resulting in considerable energy savings without compromising user experience.
- Developed display control functionalities, allowing the IPM+ Agent to manage power settings and optimize screen brightness and sleep modes when user activity is low or specific conditions are met, further reducing energy consumption.
- Implemented printer management features, enabling the IPM+ Agent to monitor printer usage, enforce printing policies, and promote efficient printing practices.