

# Yashwanth Raj Tirupati

[tyashwanth99@gmail.com](mailto:tyashwanth99@gmail.com) | (937)-469-9700 | [LinkedIn: yashwanthtirupati](#) | [GitHub: proxiee](#)

June 21, 2025

Hiring Manager  
BayOne  
Raleigh, NC

## **Subject: Application for Senior System Software Engineer**

Dear Hiring Manager,

I am writing to express my keen interest in the Senior System Software Engineer position at BayOne. My background in system software engineering, specifically my expertise in debugging, troubleshooting, and tool development using Qt (C++) and QML, aligns perfectly with the requirements outlined in the job description.

My experience encompasses classifying system anomalies (hardware, software, user error) and determining optimal resolution strategies (fix, escalate, monitor), as evidenced by my "System Anomaly Classification and Resolution System" project. This project achieved 95

My proficiency in automated software testing is also significant. In my "Automated Software Testing Framework for Manufacturing" project, I developed a Qt (C++) based framework using Squish, resulting in a 20

My resume provides further detail on my qualifications and accomplishments. I am confident my skills and experience make me a strong candidate for this position. I am eager to discuss how my abilities can benefit your team at BayOne.

Sincerely,  
Yashwanth Raj Tirupati