

November 19, 2025

Kollmorgen
Gothenburg, Sweden

Dear Hiring Manager,

I am writing to express my strong interest in the Junior Software Engineer – Operation & Visualization position at Kollmorgen. With hands-on experience in visualization systems, real-time monitoring dashboards, and automotive UI development, I am excited about the opportunity to contribute to your AGV operation software.

At ECARX, I have been deeply involved in creating visualization and monitoring solutions for complex automotive systems. I designed and implemented real-time performance dashboards using Grafana and Prometheus for Android AOSP build infrastructure, providing intuitive visual feedback that enabled our team to achieve a 3.5x performance improvement. These dashboards process and visualize terabytes of build data daily, with our Android 15 AOSP clean build time reaching 7 minutes 47 seconds – among the fastest publicly reported times.

Beyond infrastructure monitoring, I have extensive experience building user-facing applications with modern frameworks. My hobby projects demonstrate this breadth: I developed Android Auto applications with automotive-optimized UI/UX compliant with safety standards, created a cross-platform carpooling mobile app with real-time geolocation tracking and interactive maps using React Native, and built ecommerce platforms with real-time analytics dashboards. Each project required balancing technical complexity with user-friendly design.

What excites me most about this role is applying my visualization skills to robotics and autonomous systems. Having worked with automotive testing platforms including Polestar 4/5 emulators, I understand the importance of reliable, intuitive interfaces for complex systems. I am eager to bring my real-time data visualization experience, UI/UX skills, and passion for automation to help Kollmorgen deliver world-class AGV operation software.

I am a collaborative team player who thrives in cross-functional environments, fluent in English and Mandarin with Swedish B2 proficiency. I would be thrilled to contribute to your team in Gothenburg.

Sincerely,