Dear Hiring Manager,

I am writing to express my strong interest in the Software Engineer Co-Op position at Oracle's Construction & Engineering Global Industry Unit. As a lifelong tinkerer with hands-on experience developing and deploying innovative solutions, I am excited about the opportunity to help build software that transforms how critical infrastructure is planned, built, and operated.

My experience as founder of General Safety demonstrates my passion for solving real-world problems through technology. After identifying that existing stop-arm cameras for school buses were prohibitively expensive at $3,000 per unit, I led a team to develop an IoT solution that achieved the same functionality at just $30 per unit. This involved building both the embedded system using C++ and a full web interface with React, backed by cloud infrastructure. Working closely with Pitt County Schools to deploy this across their 200+ bus fleet has given me valuable experience in delivering solutions for large-scale infrastructure operations.

The construction and engineering sector presents similar opportunities to create transformative impact through awesome software. Despite being a $10 trillion industry globally, construction especially has seen relatively limited technological innovation compared to other sectors. I'm particularly drawn to Oracle's commitment to this space, as shown by your significant R&D investment and focus on supporting teams that manage critical infrastructure projects. In addition, I know that Oracle is committed to becoming a leader in the cloud computing space, and I think that building great tools for industry on top of OCI would be a great way to gain market share. I would be excited to tackle that challenge by bringing strong technical skills in Python, JavaScript, and Java, along with deep experience in cloud applications to the table.

I am excited about the prospect of applying my skills to help build the next generation of construction and engineering software at Oracle. Thank you for considering my application.

Best regards,

Kaiji Fu