

Dear Recruiter,

I am excited about the opportunity to contribute to Tektronix's platform engineering organization, particularly in the context of improving the searchability of internal documentation and developing high-impact initiatives for next-generation oscilloscope development. As someone with a strong academic background in Computer Engineering, I am drawn to the company's emphasis on hands-on learning, mentorship, and technical growth, which aligns perfectly with my own professional aspirations. The prospect of collaborating with experienced engineers and contributing to real product development workflows excites me.

I am particularly intrigued by the responsibilities of designing and building an internally hosted tool to address a long-standing engineering pain point, as well as automating build, test, and deployment workflows to improve engineering velocity and product quality. I am eager to investigate reliability, performance, and infrastructure issues, and develop tools, scripts, and dashboards for monitoring build health, regression stability, and system performance. My interest in end-to-end DevOps practices, CI/CD workflows, and infrastructure-as-code tools aligns with my academic focus, and I am confident that this role will provide me with the opportunity to learn and grow in these areas.

Currently pursuing a Bachelor of Computer Science at the University of Waterloo with a specialization in Digital Hardware and a 3.9 GPA, I am passionate about exploring opportunities in machine learning, data engineering, full-stack development, and cloud/back-end systems, and am eager to rapidly learn and apply new technologies. As an Applications Development Intern at CJCR, Department of National Defence, I contributed to Power Apps solutions integrating diverse data sources for dashboards, tracking systems, and asset management, while developing features for a Vue.js web application and a .NET backend serving over 10,000 staff members. At Ericsson, I served as a Software Testing Intern, monitoring Jenkins pipelines, troubleshooting Kubernetes clusters, and reporting insights through Grafana dashboards.

My POS Ecosystem project demonstrates full-stack expertise, combining a React web dashboard and React Native mobile app for real-time merchant management, inventory, and checkout, with FastAPI, PostgreSQL, Redis, and Celery, deployed via Azure App Service, Supabase, and DevOps pipelines. Additionally, I built an Android system that overlays restrictions on apps and websites selected by the user, automatically enforcing schedules and limits to enhance focus and productivity.

Thank you for your time and consideration. I would greatly appreciate the opportunity to further discuss how my interests and experiences align with this role and how I could contribute to your team. I can be reached at 438-773-4010 or singhpranjwal@gmail.com, and I look forward to hearing from you.